

Program EVALPLOT
(Version 2021-1)

by

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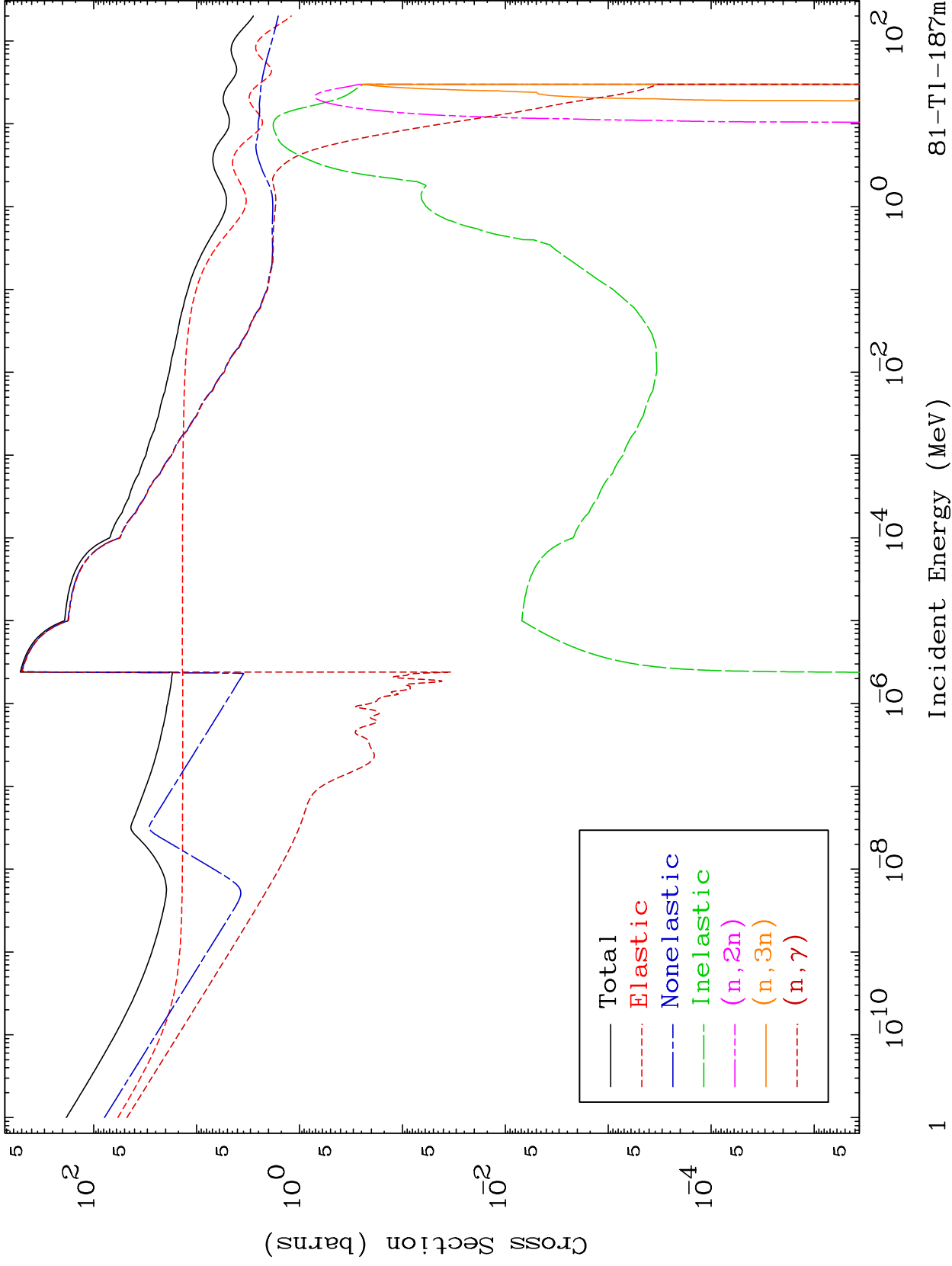
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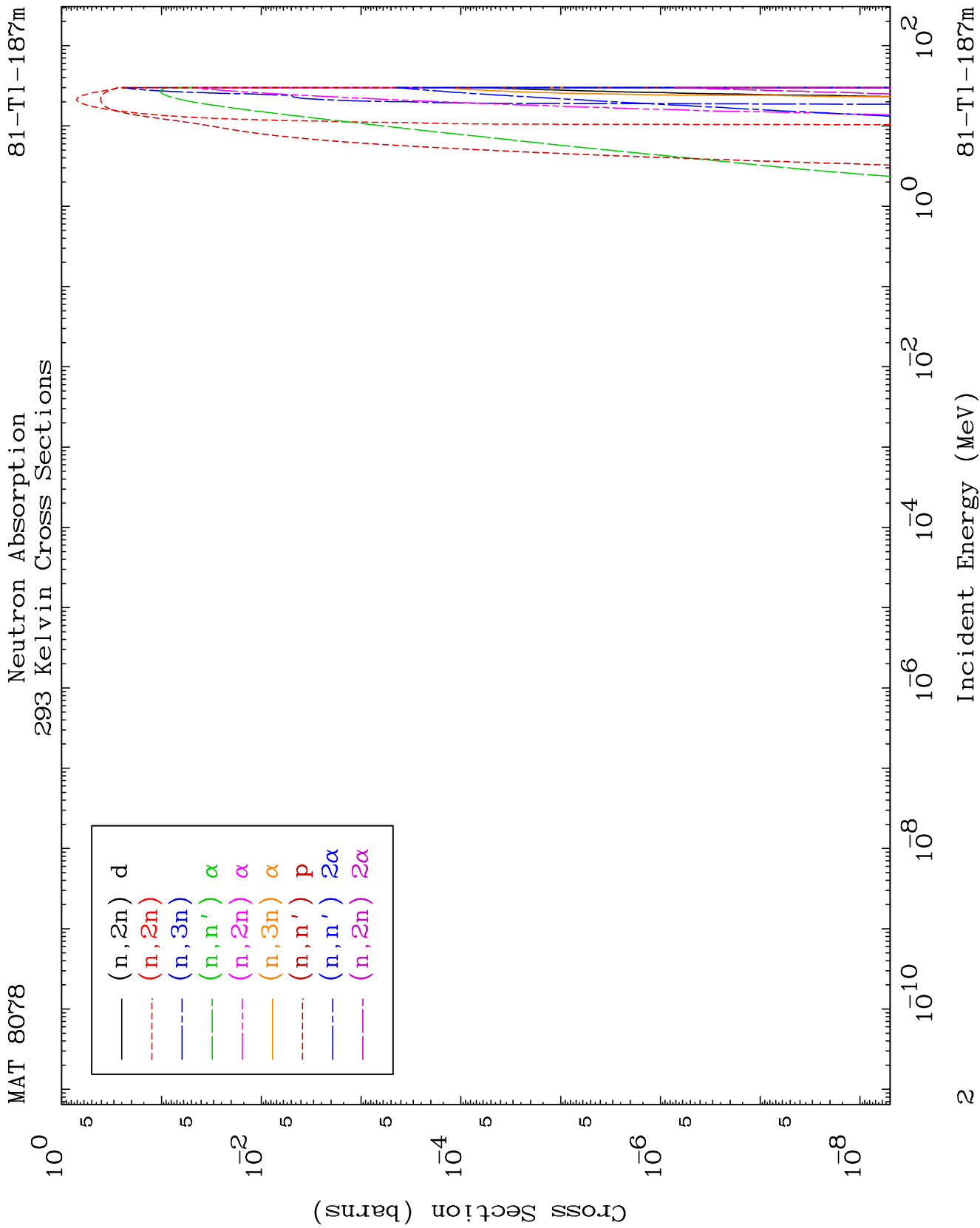
Press Mouse Button to Start

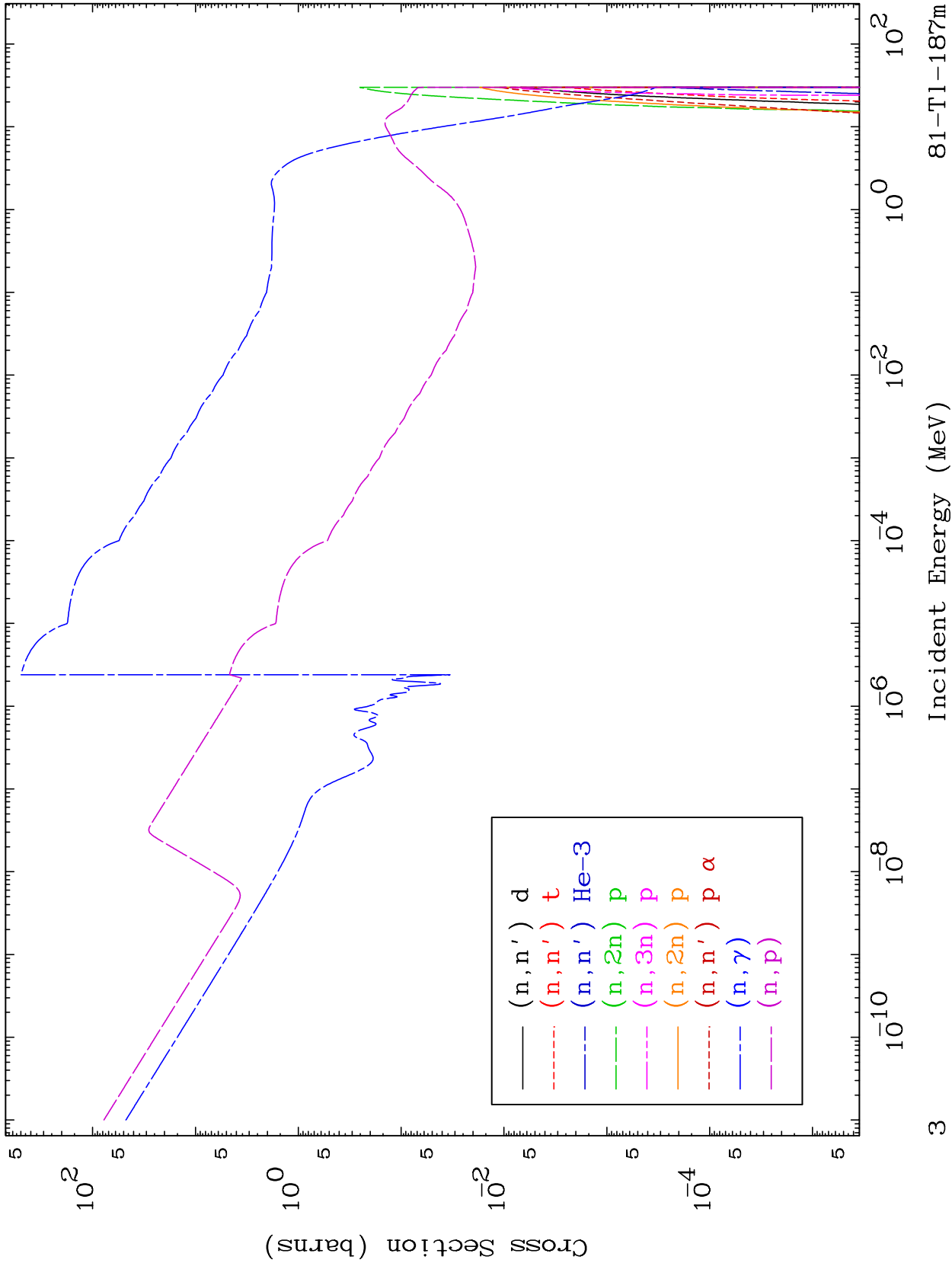
MAT 8078

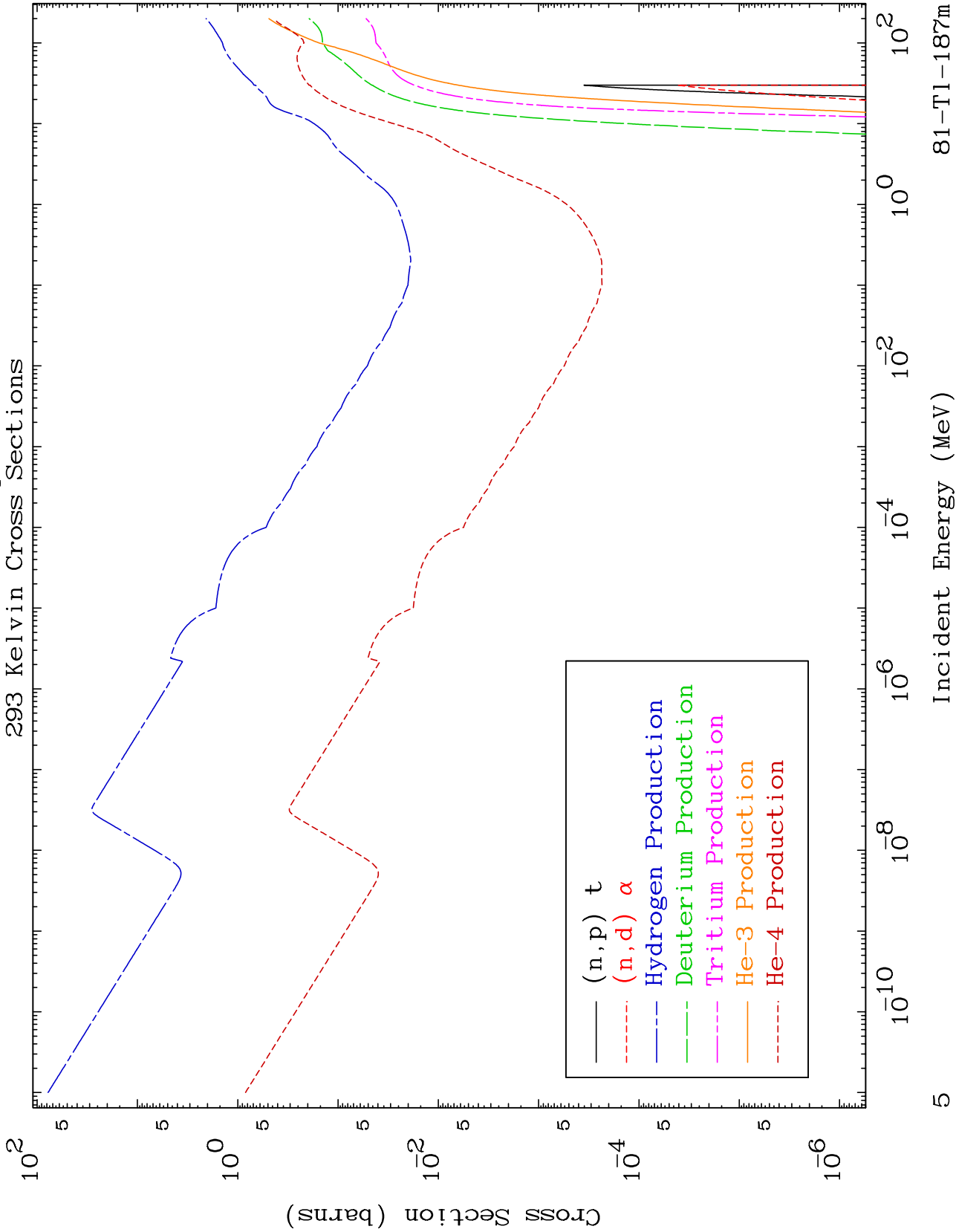
Neutron Major
293 Kelvin Cross Sections

81-Tl-187m





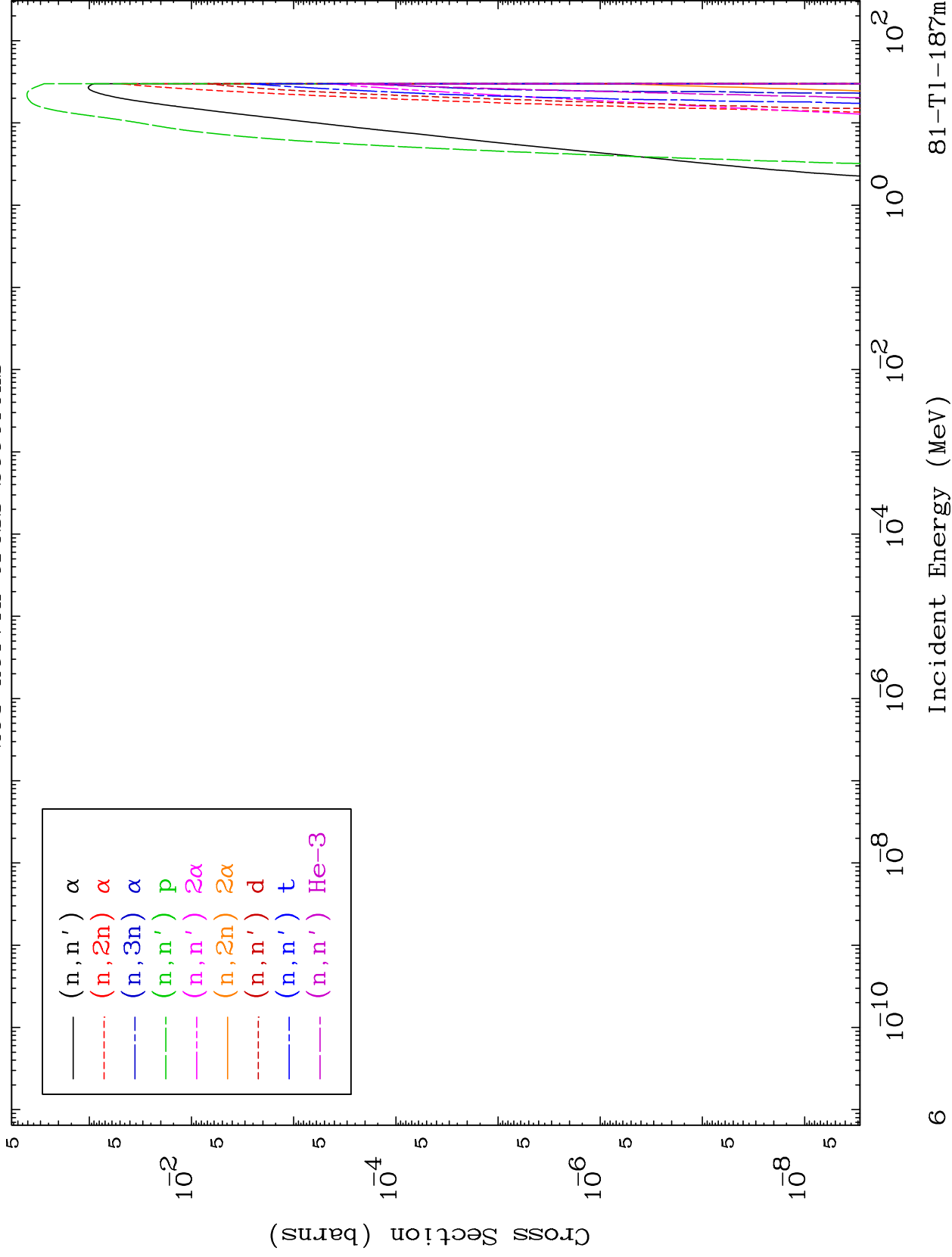


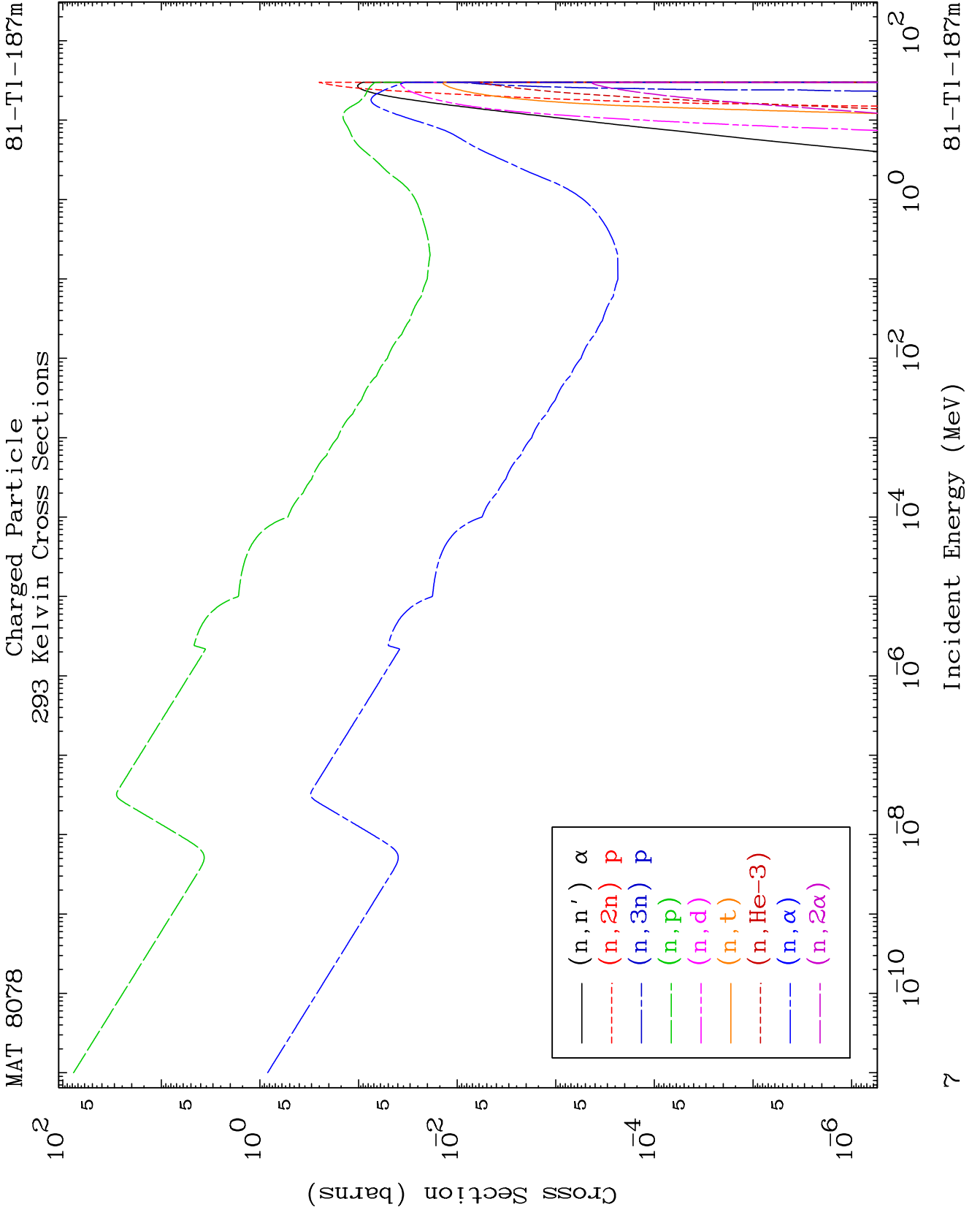


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Charged Particle
293 Kelvin Cross Sections

81-Tl-187m

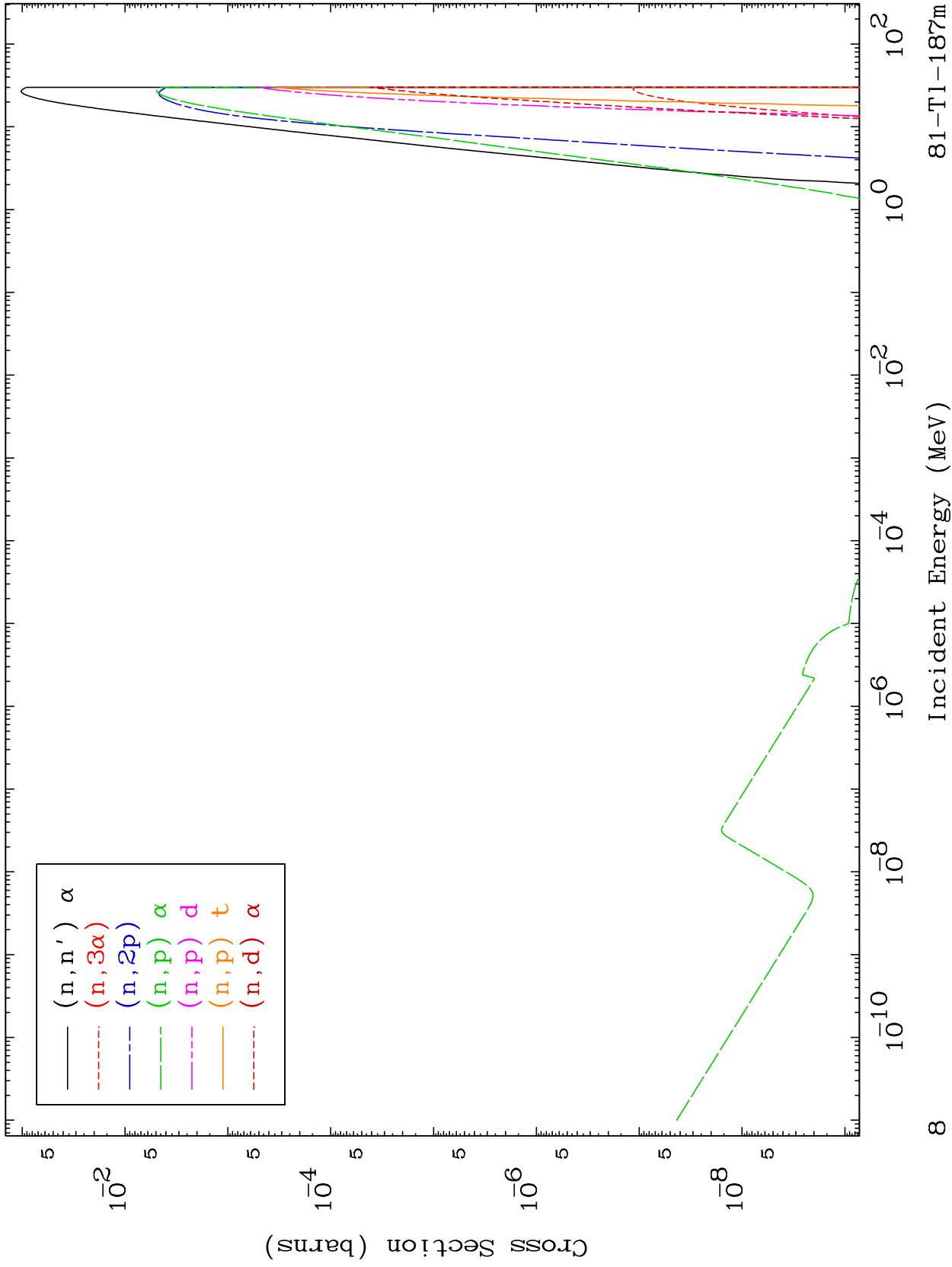


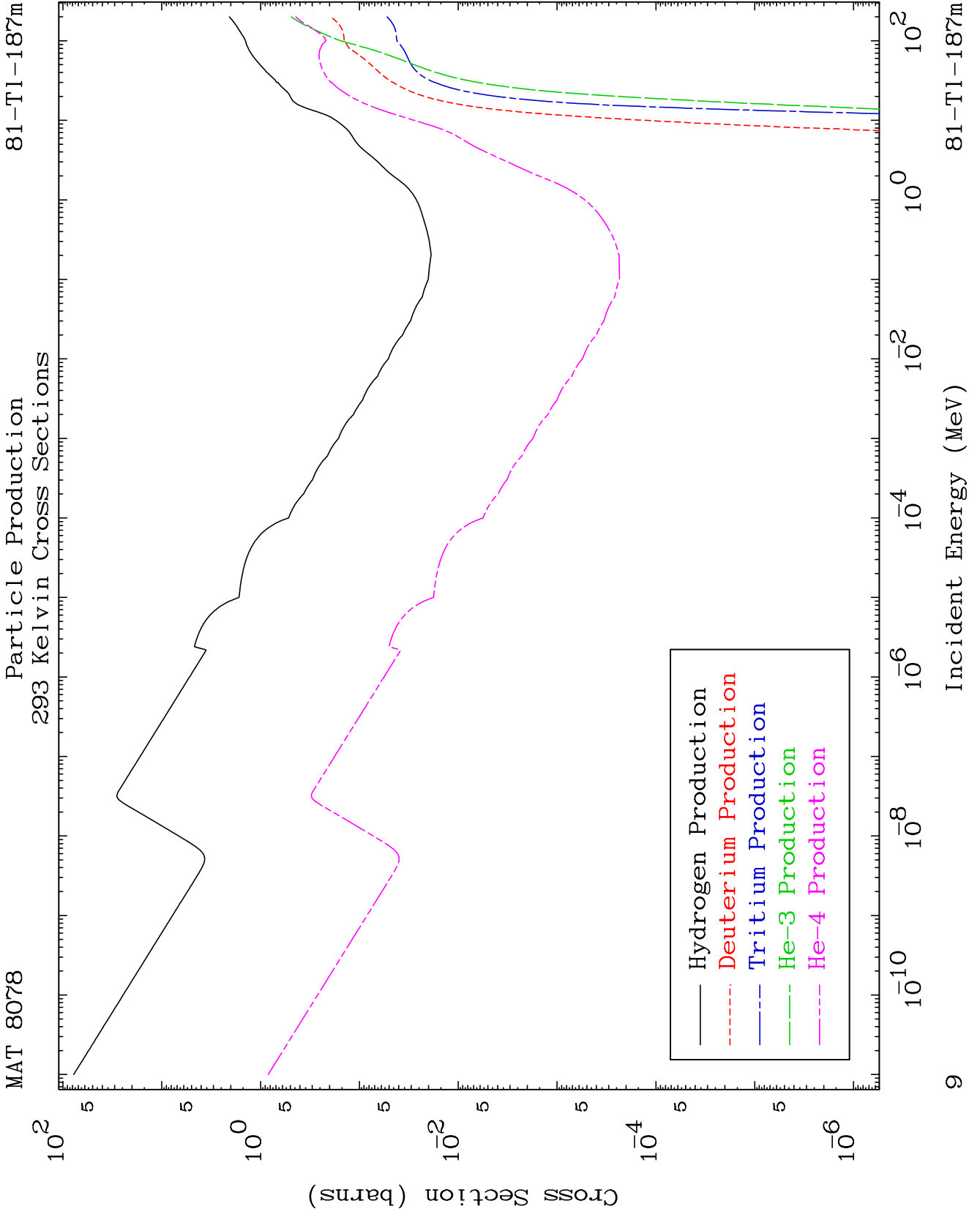


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Charged Particle
293 Kelvin Cross Sections

81-Tl-187m

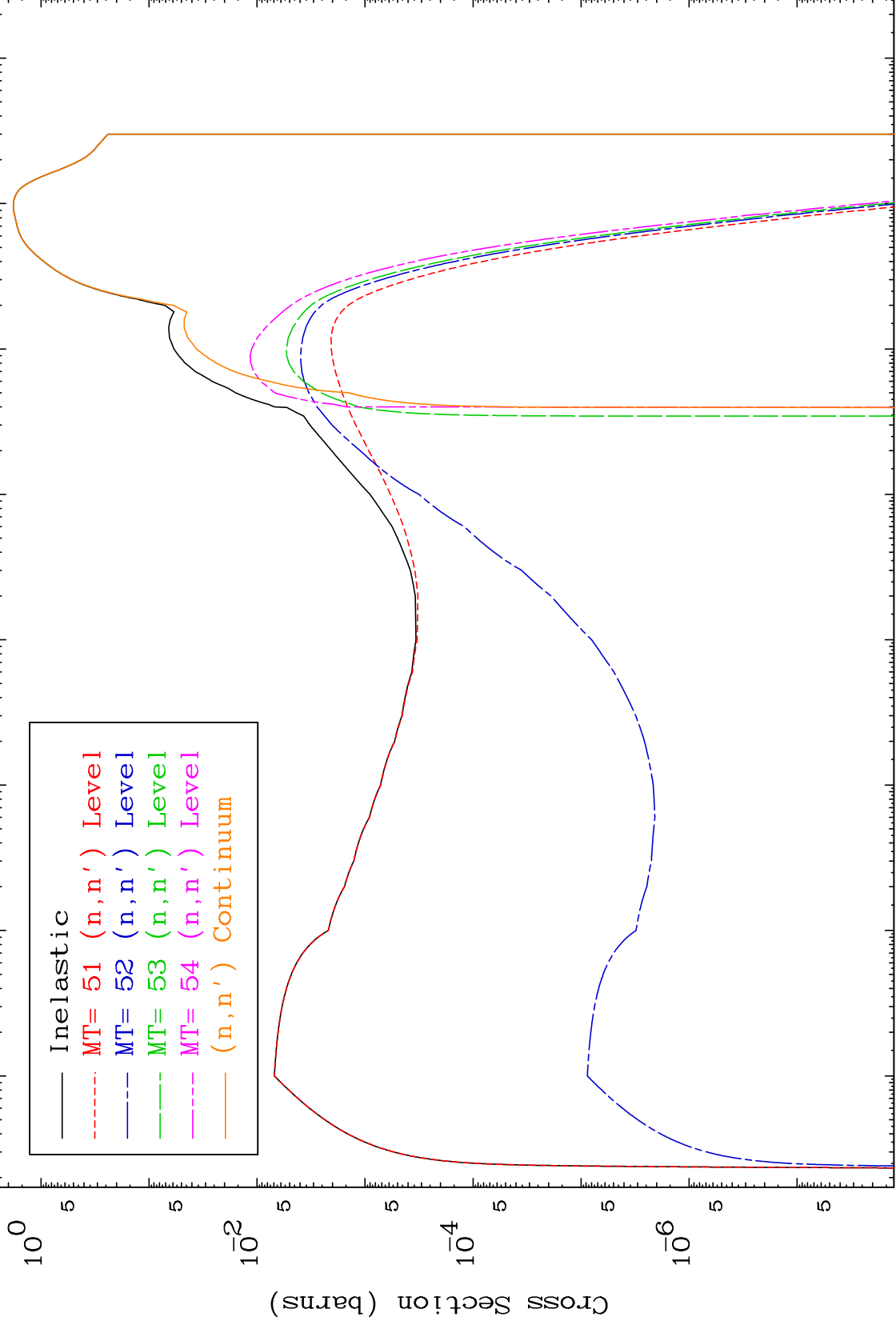




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(n,n') Levels
293 Kelvin Cross Sections

81-Tl-187m



10

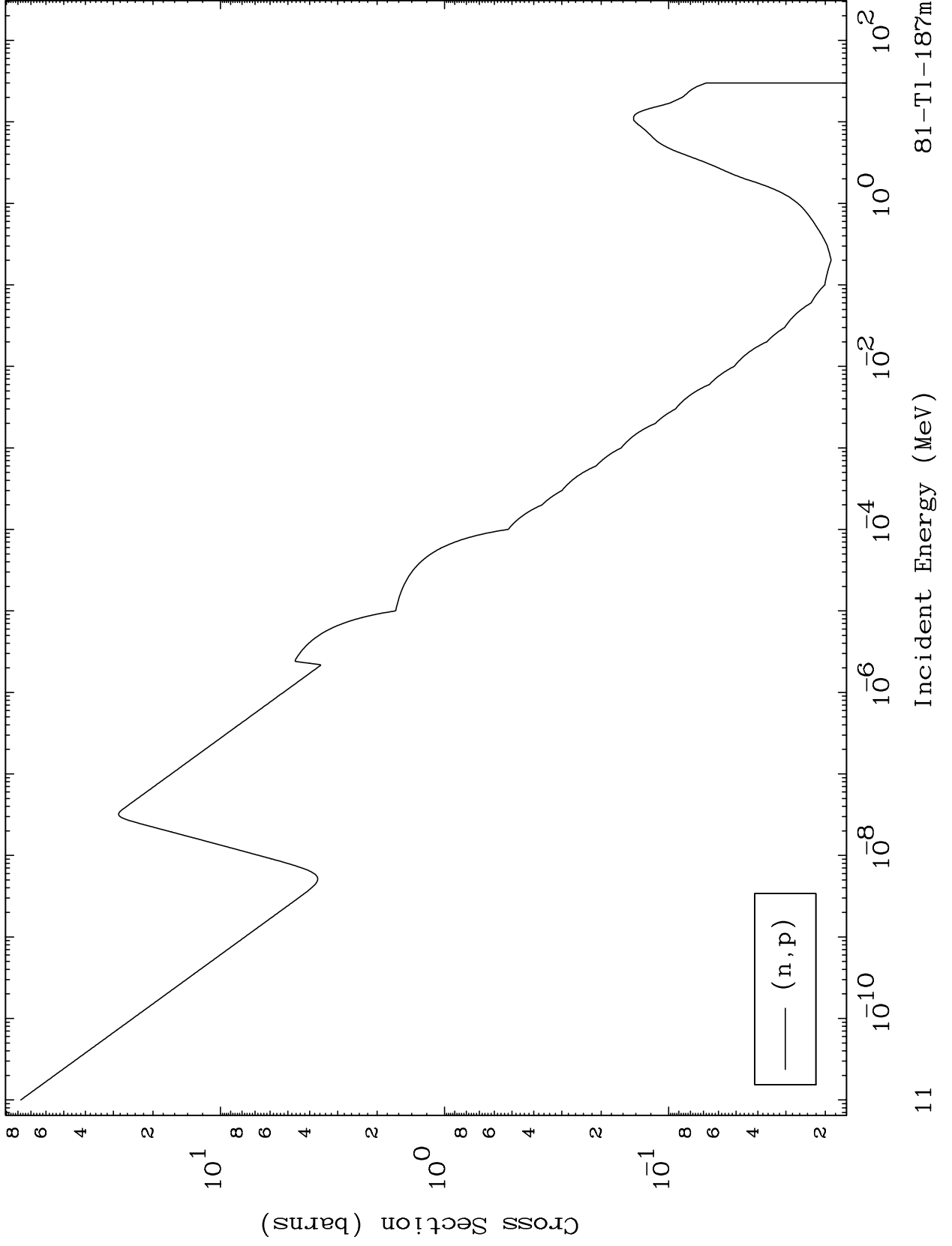
Incident Energy (MeV)

81-Tl-187m

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(n,p) Levels
293 Kelvin Cross Sections

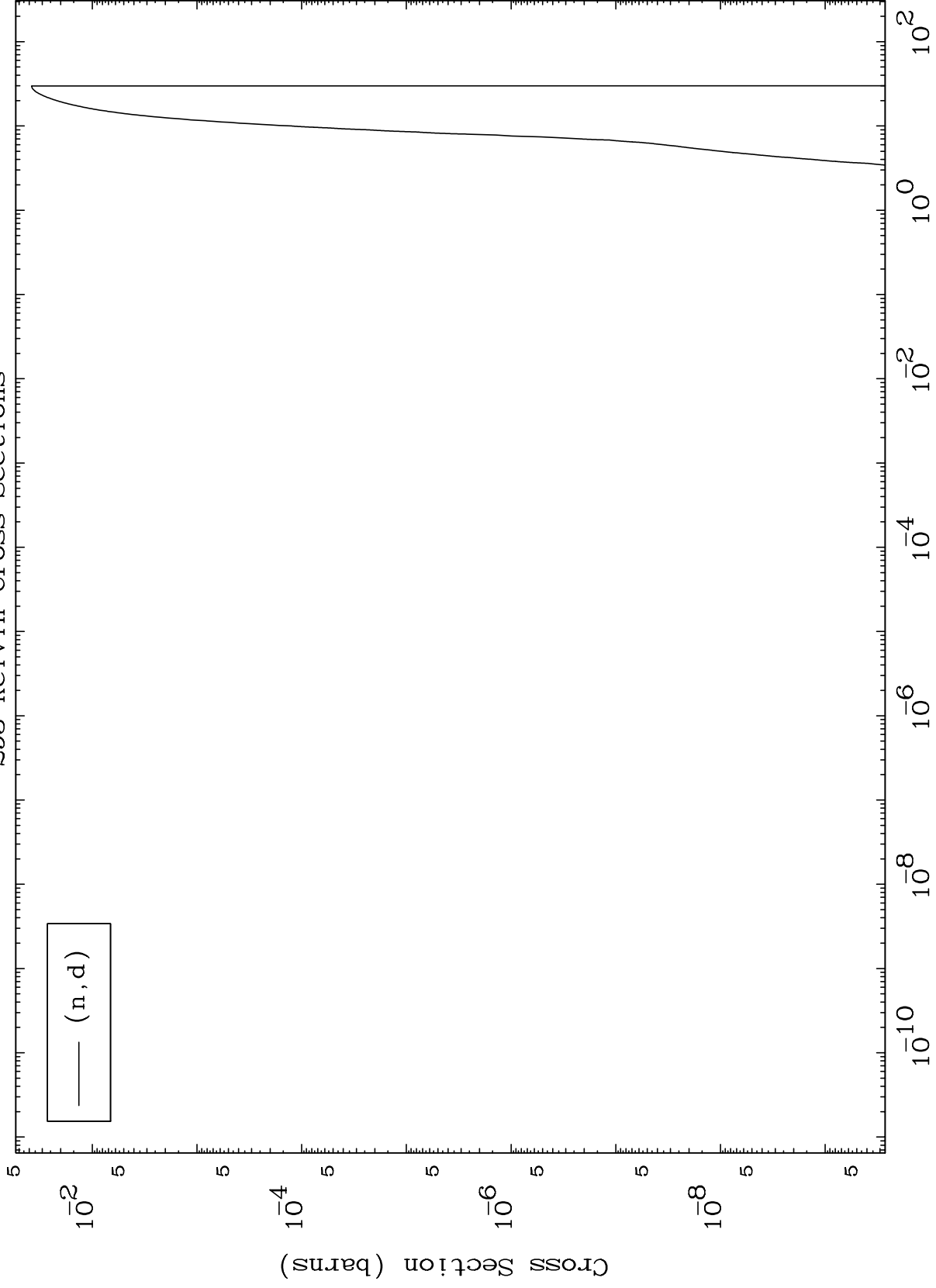
81-Tl-187m



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(n,d) Levels
293 Kelvin Cross Sections

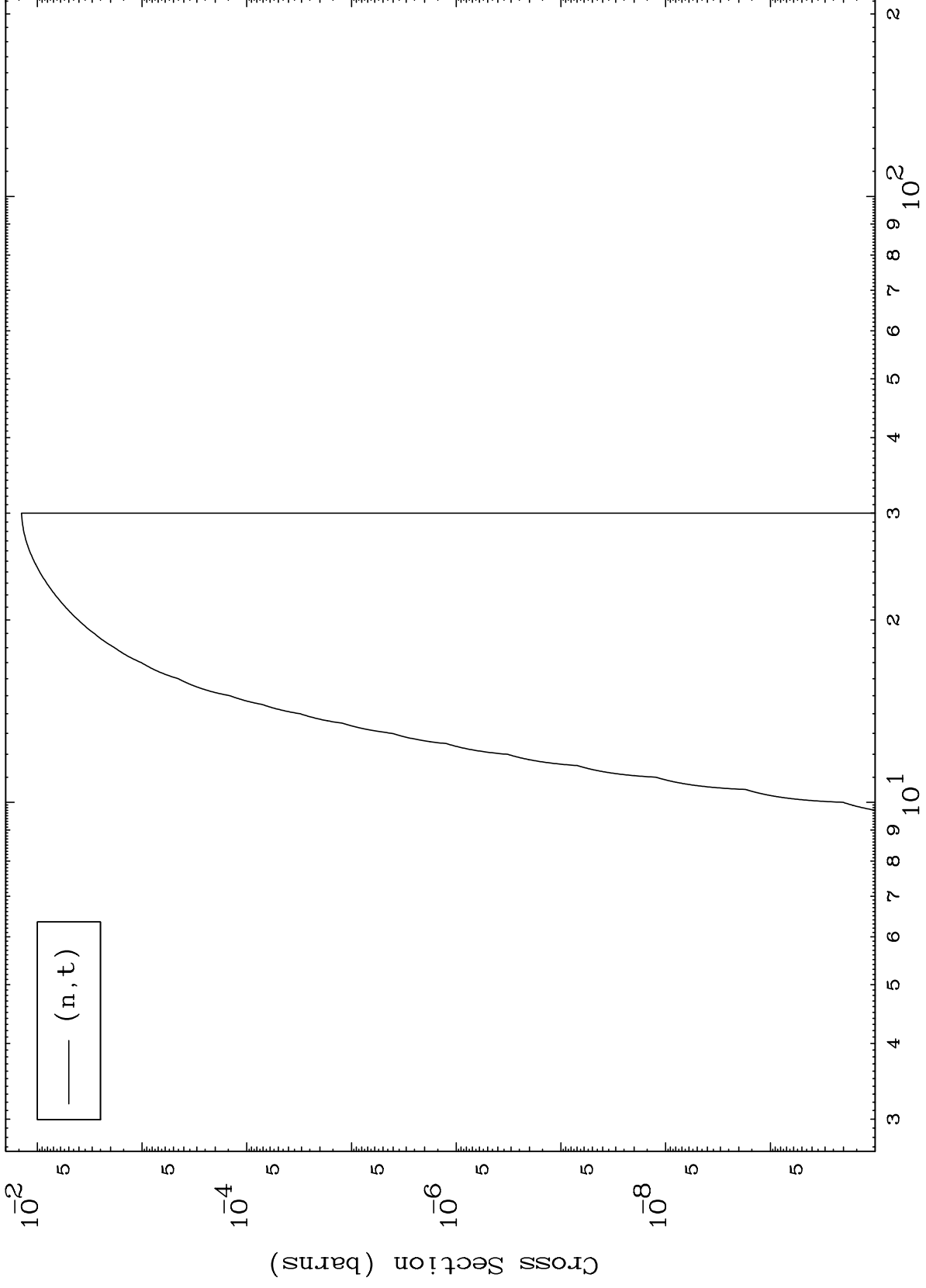
81-Tl-187m



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(n,t) Levels
293 Kelvin Cross Sections

81-Tl-187m

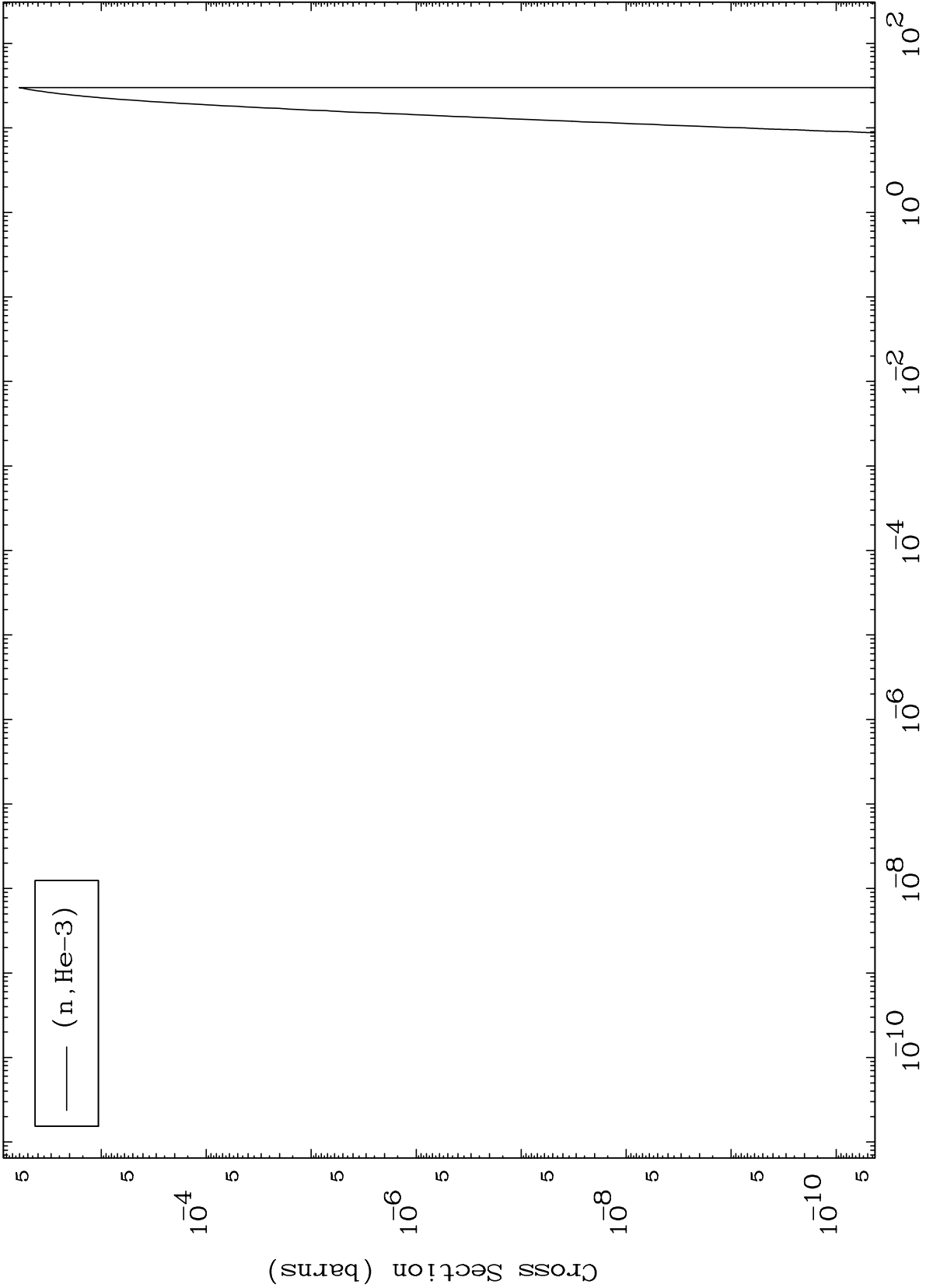


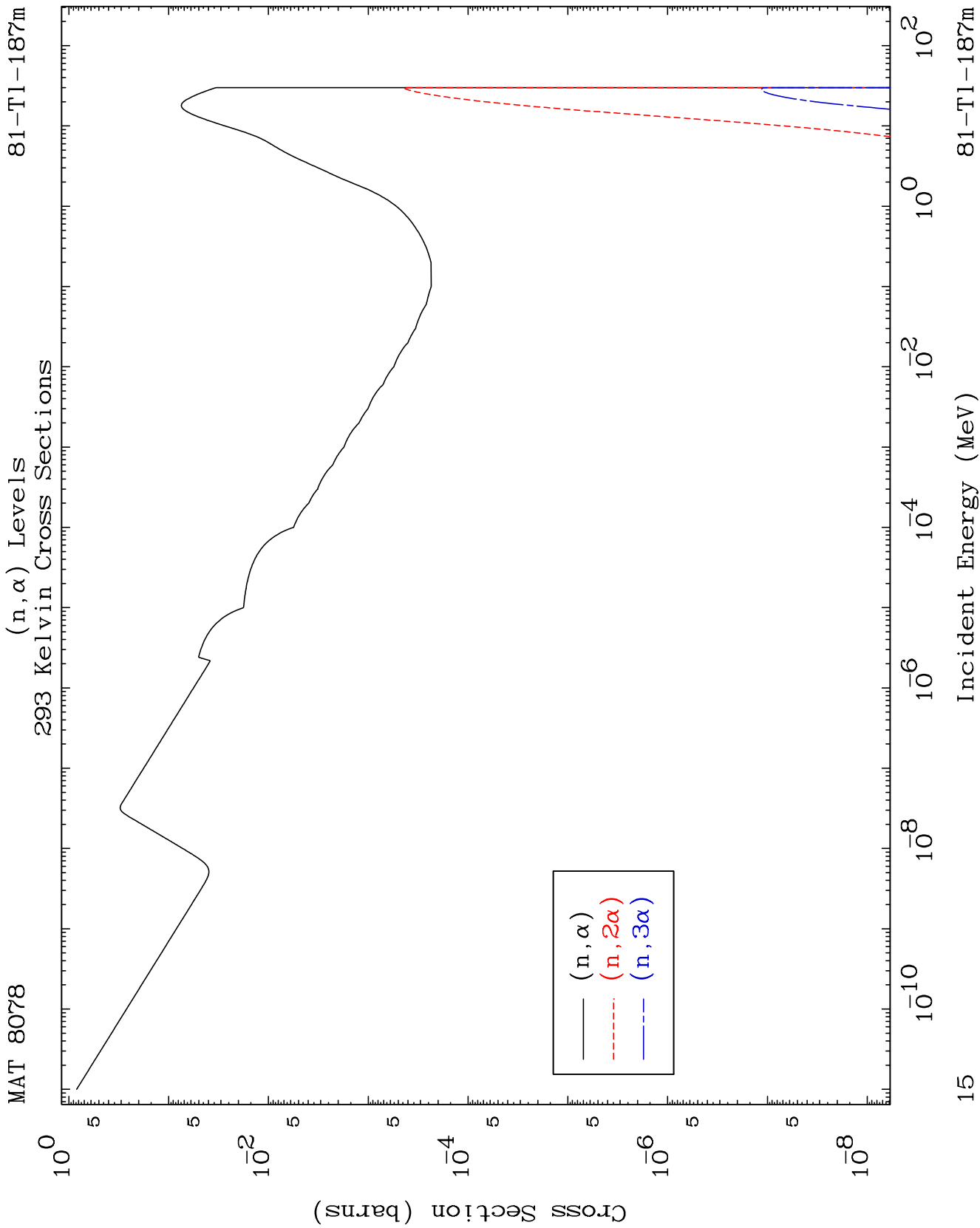
(n,t)

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(n,He3) Levels
293 Kelvin Cross Sections

81-TI-187m

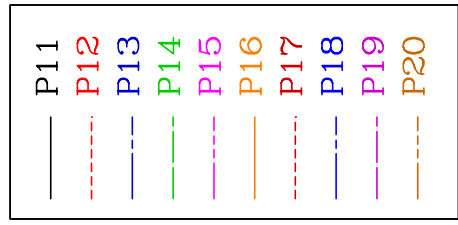




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Elastic
Legendre Coefficients

81-Tl-187m



$\times 10^{-4}$

Legendre (CM)

3

2

1

0

5

10

15

20

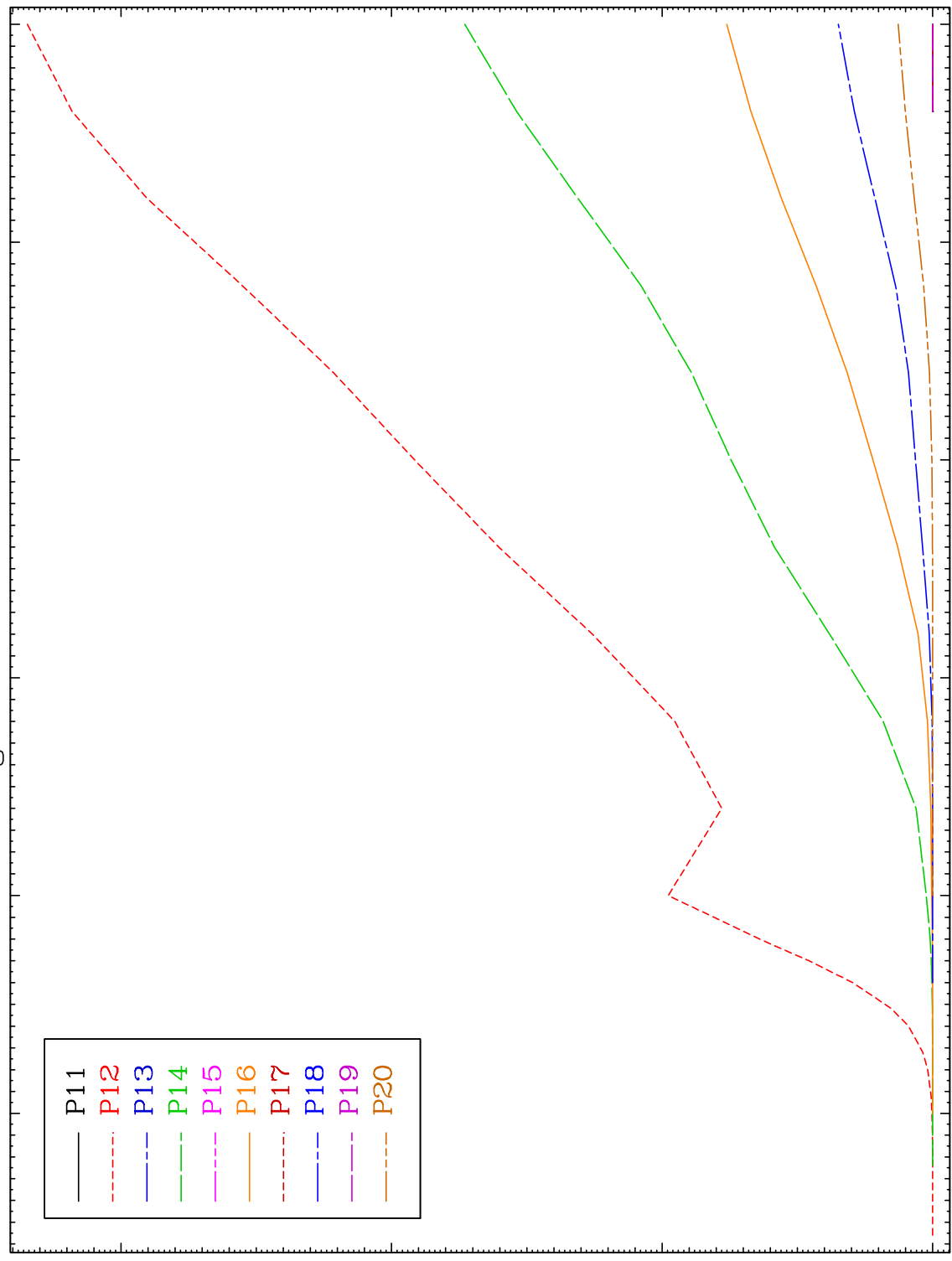
25

30

17

Incident Energy (MeV)

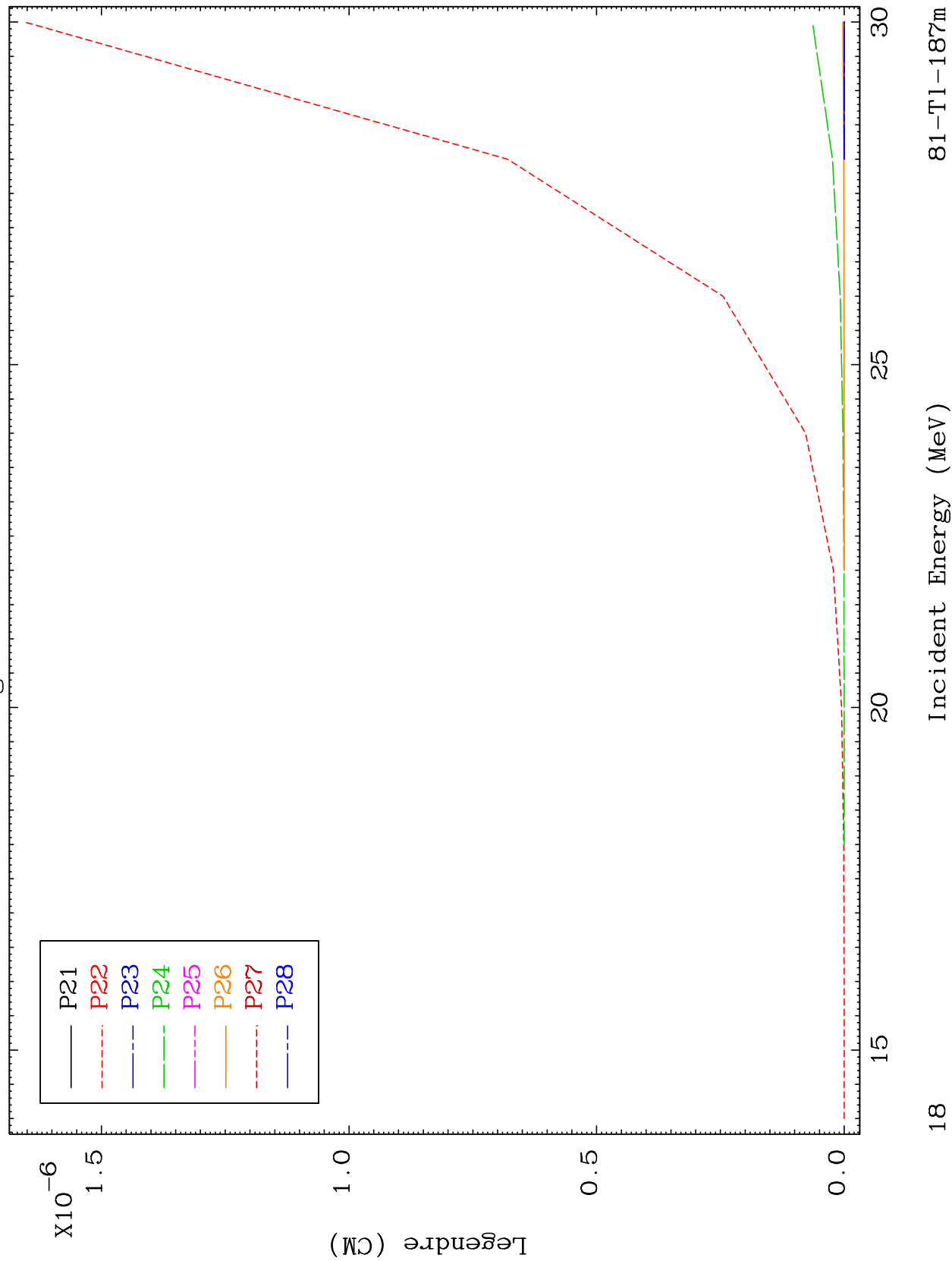
81-Tl-187m



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Elastic Legendre Coefficients

81-TI-187m



18

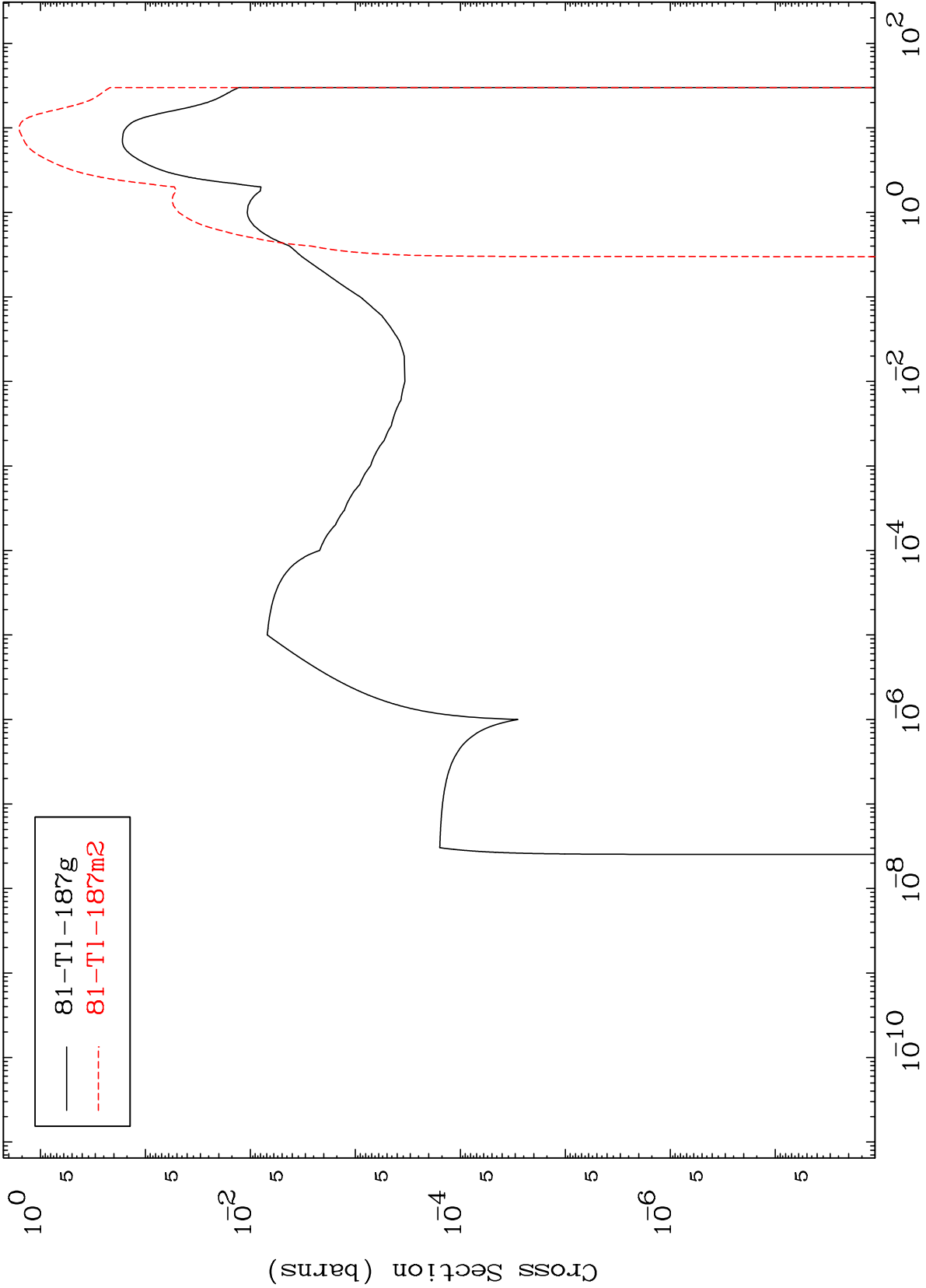
Incident Energy (MeV)

81-TI-187m

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Inelastic
Radionuclide Production Cross Section

81-Tl-187m



81-Tl-187m

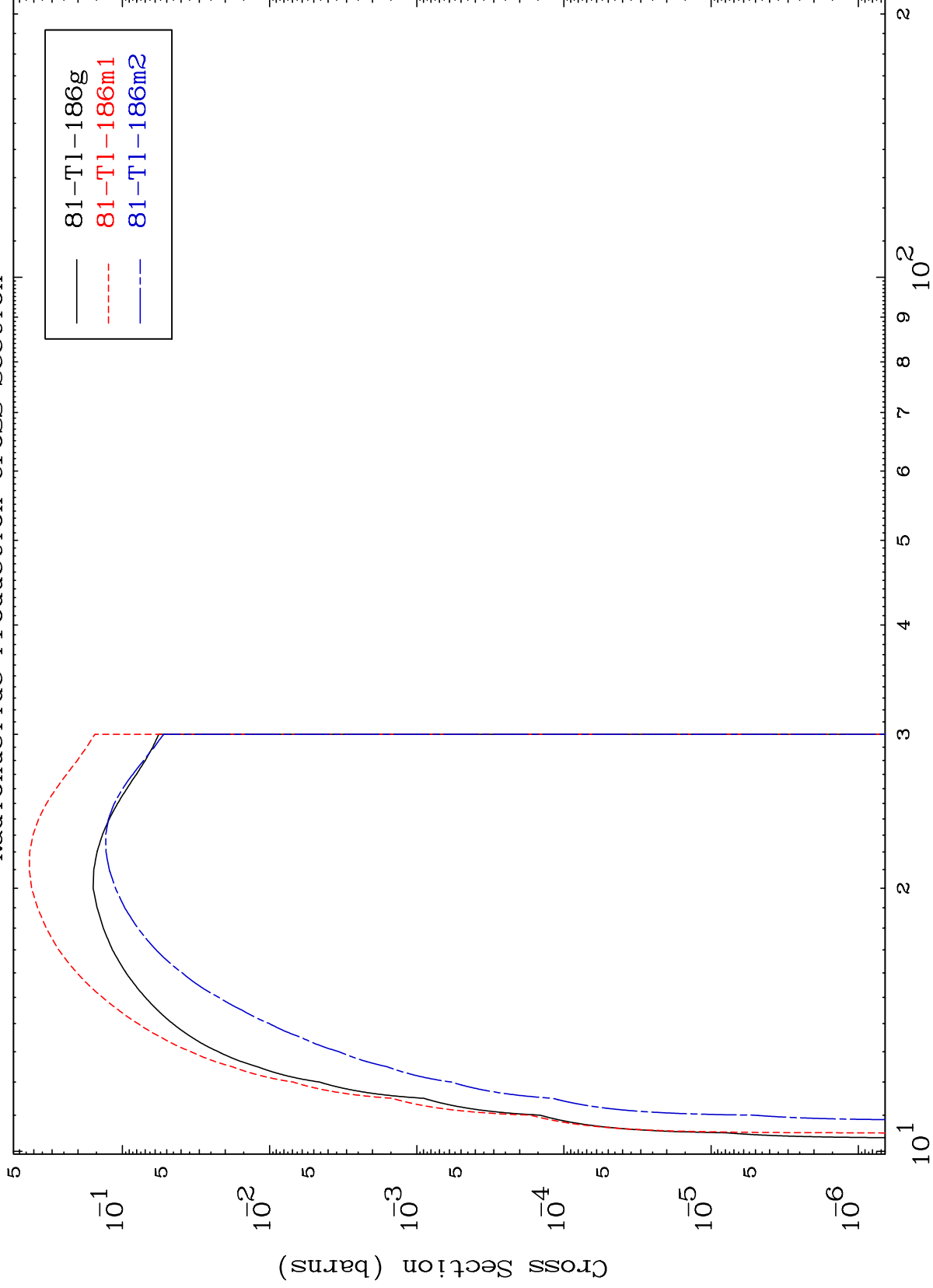
Incident Energy (MeV)

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(n,2n)

81-Tl-187m

Radionuclide Production Cross Section



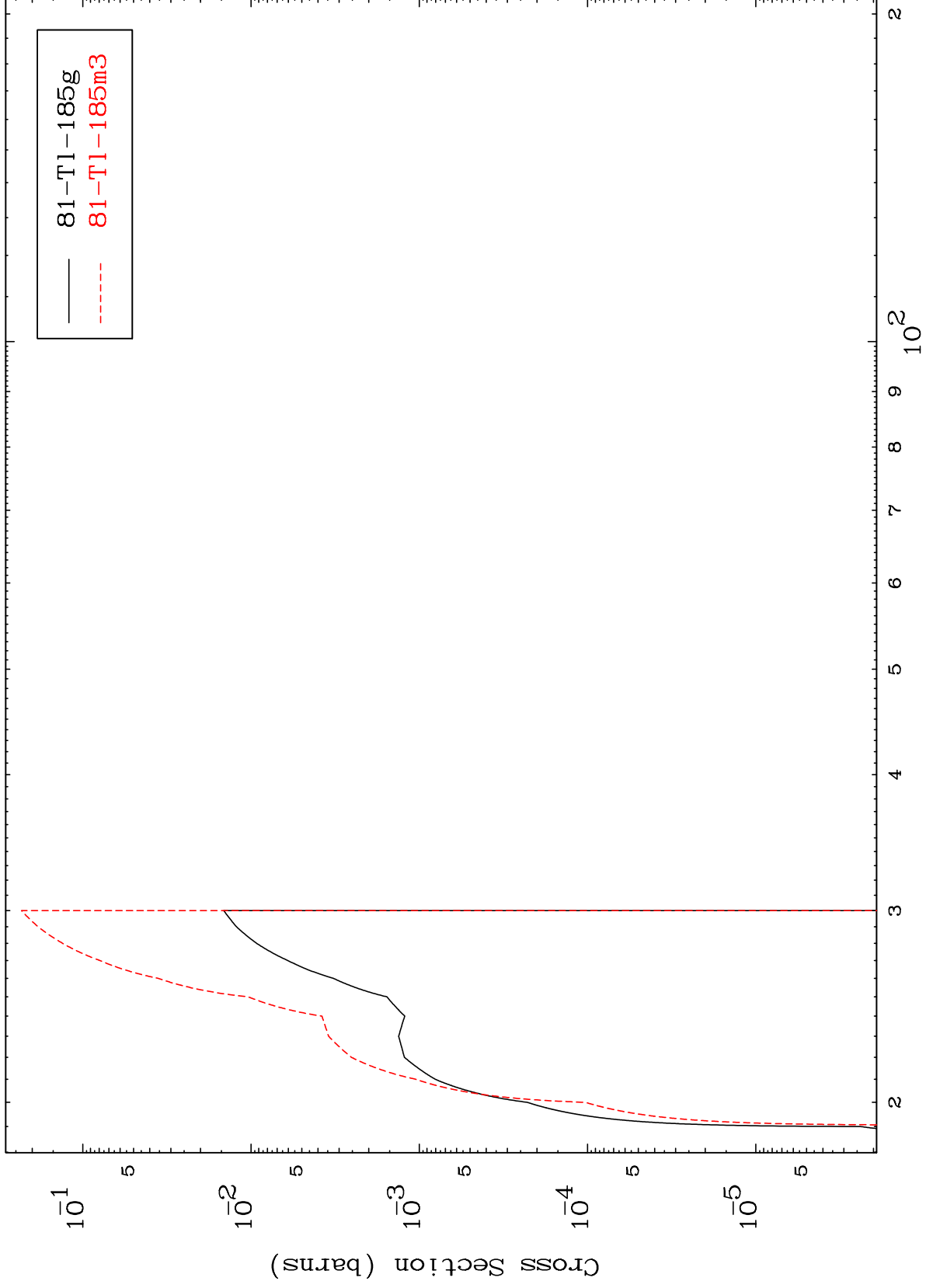
Incident Energy (MeV)

81-Tl-187m

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81-Tl-187m

(n,3n)
Radionuclide Production Cross Section



21

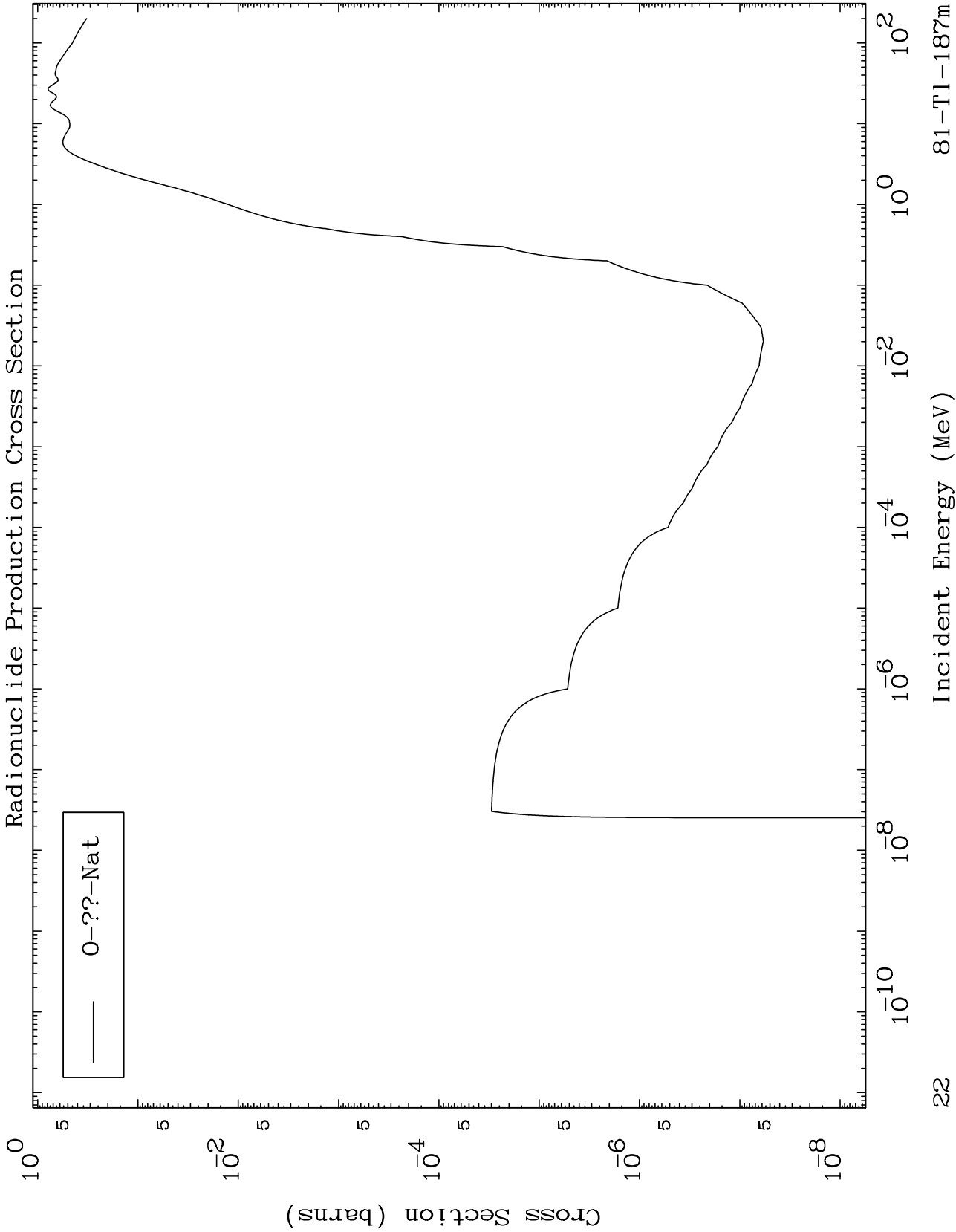
Incident Energy (MeV)

81-Tl-187m

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Fission

81-Tl-187m

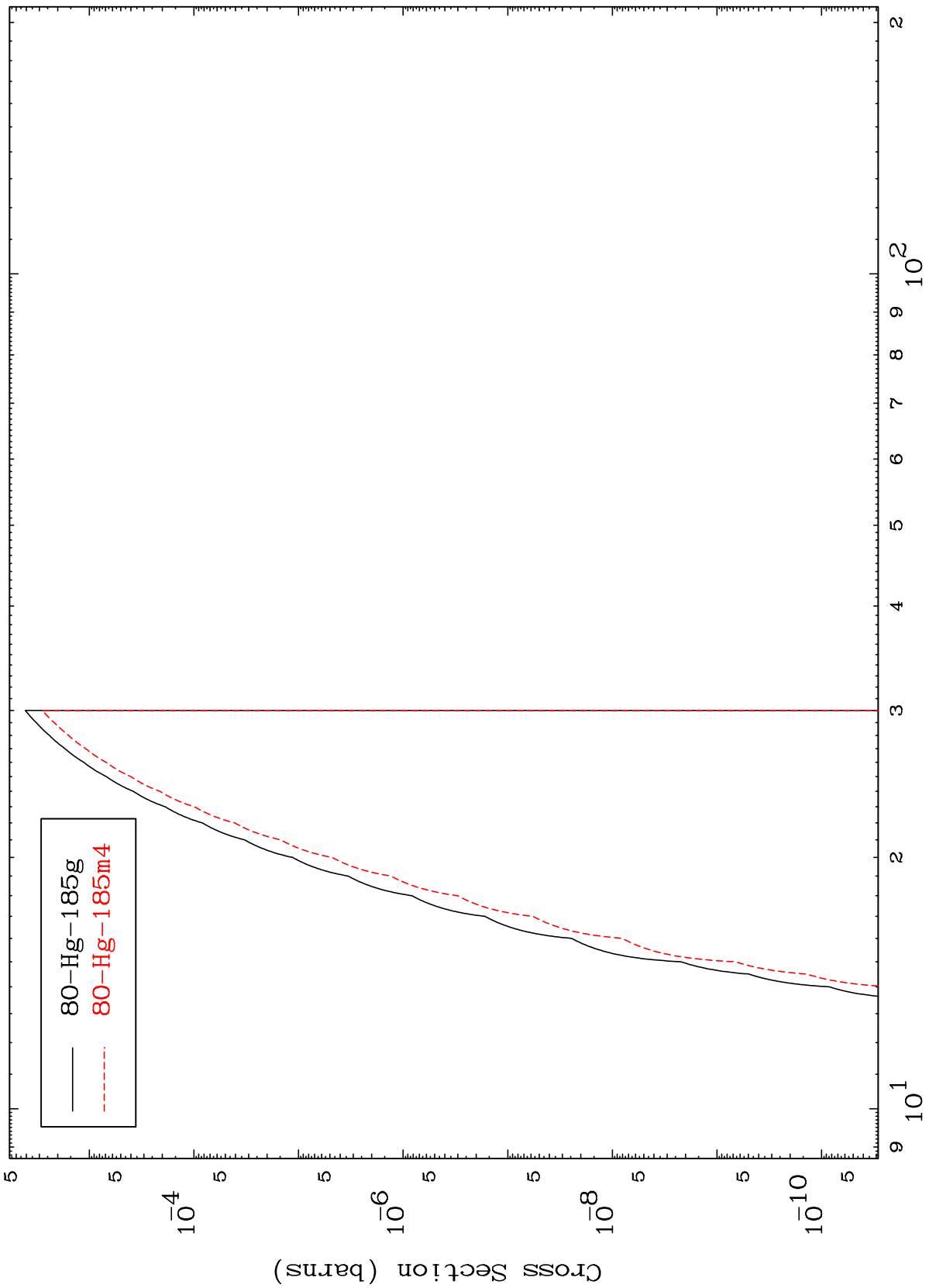


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(n,n') d

81-Tl-187m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

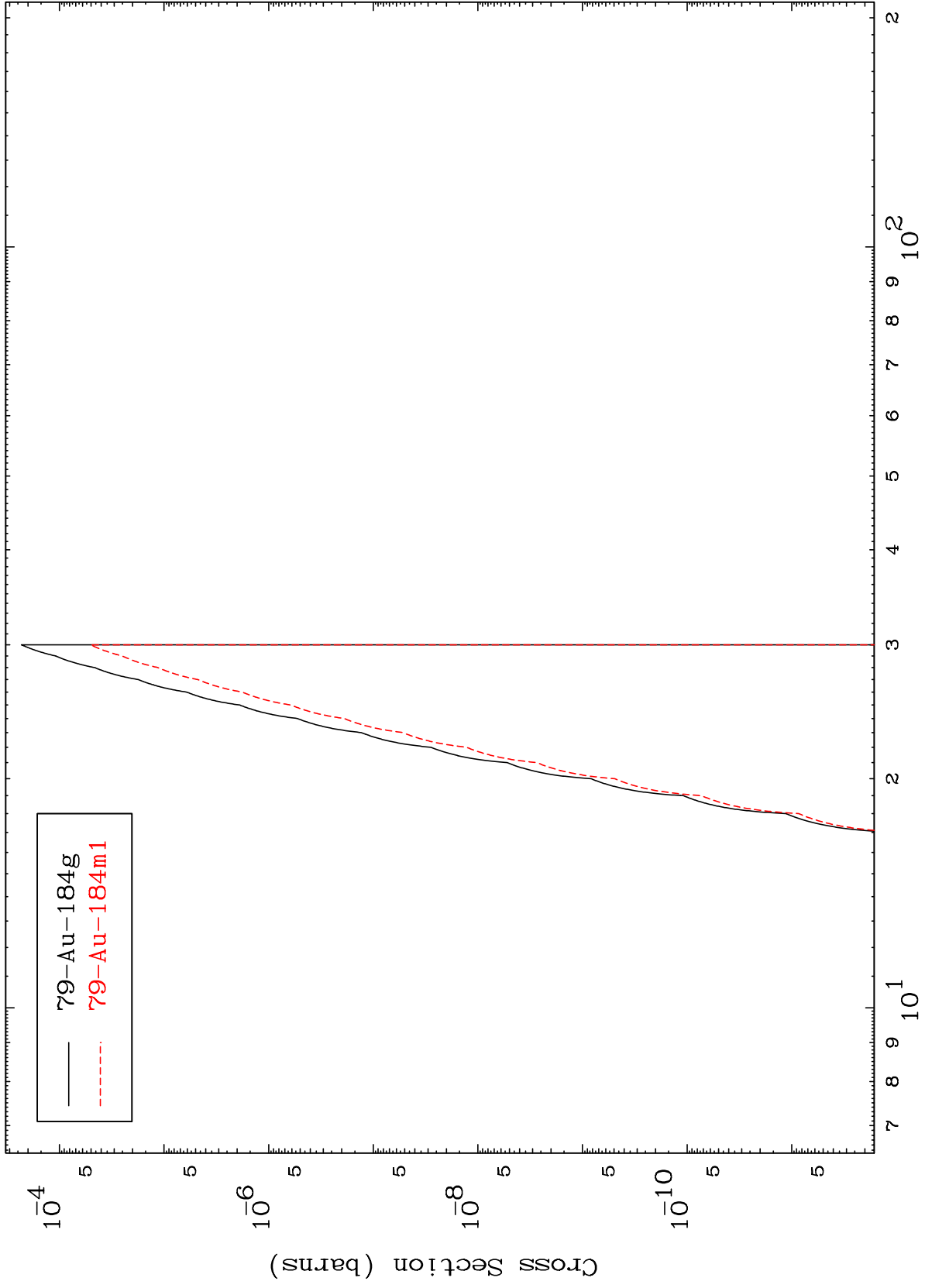
81-Tl-187m

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(n,n') He-3

81-Tl-187m

Radionuclide Production Cross Section

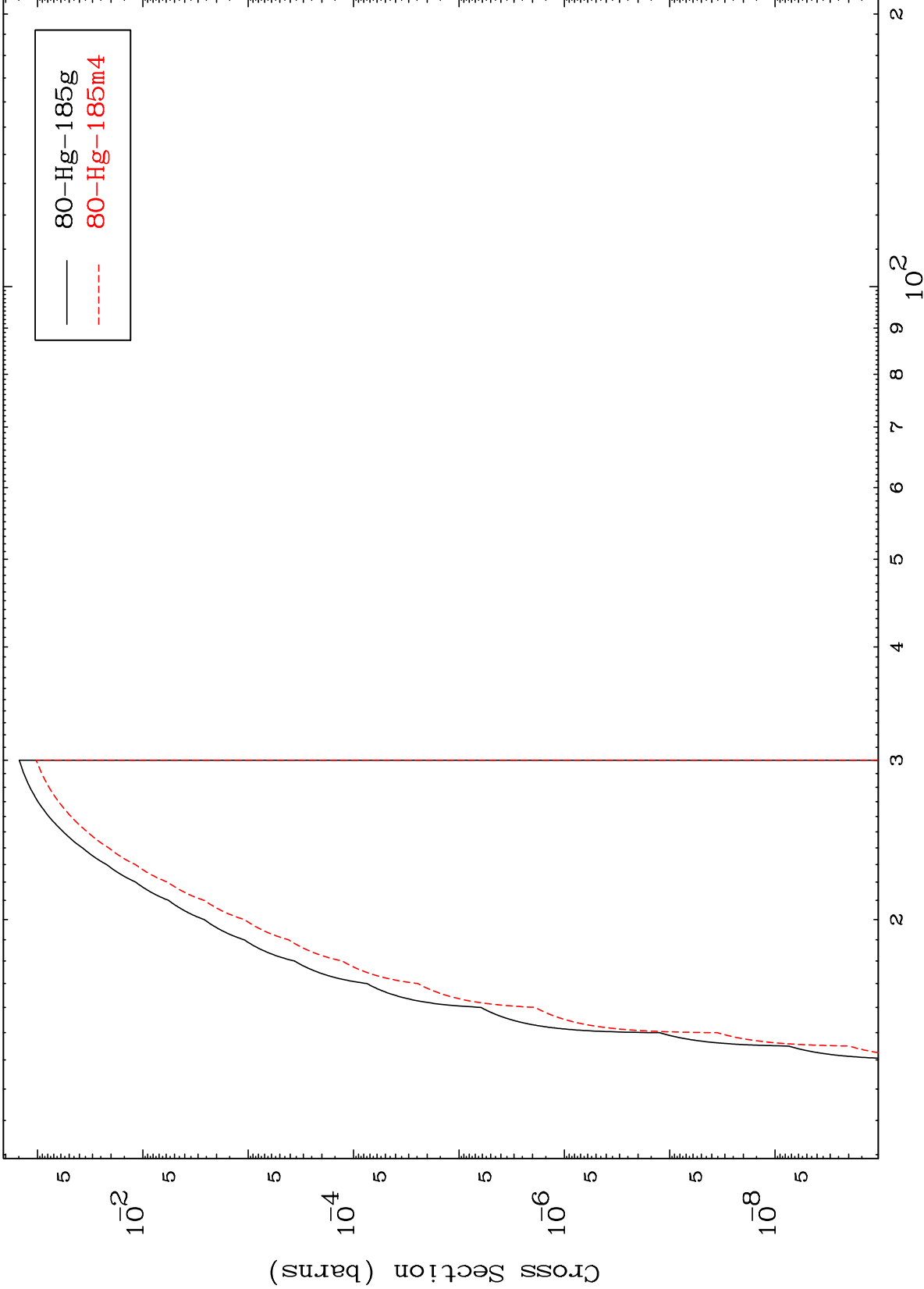


24

Incident Energy (MeV)

81-Tl-187m

Radionuclide Production Cross Section

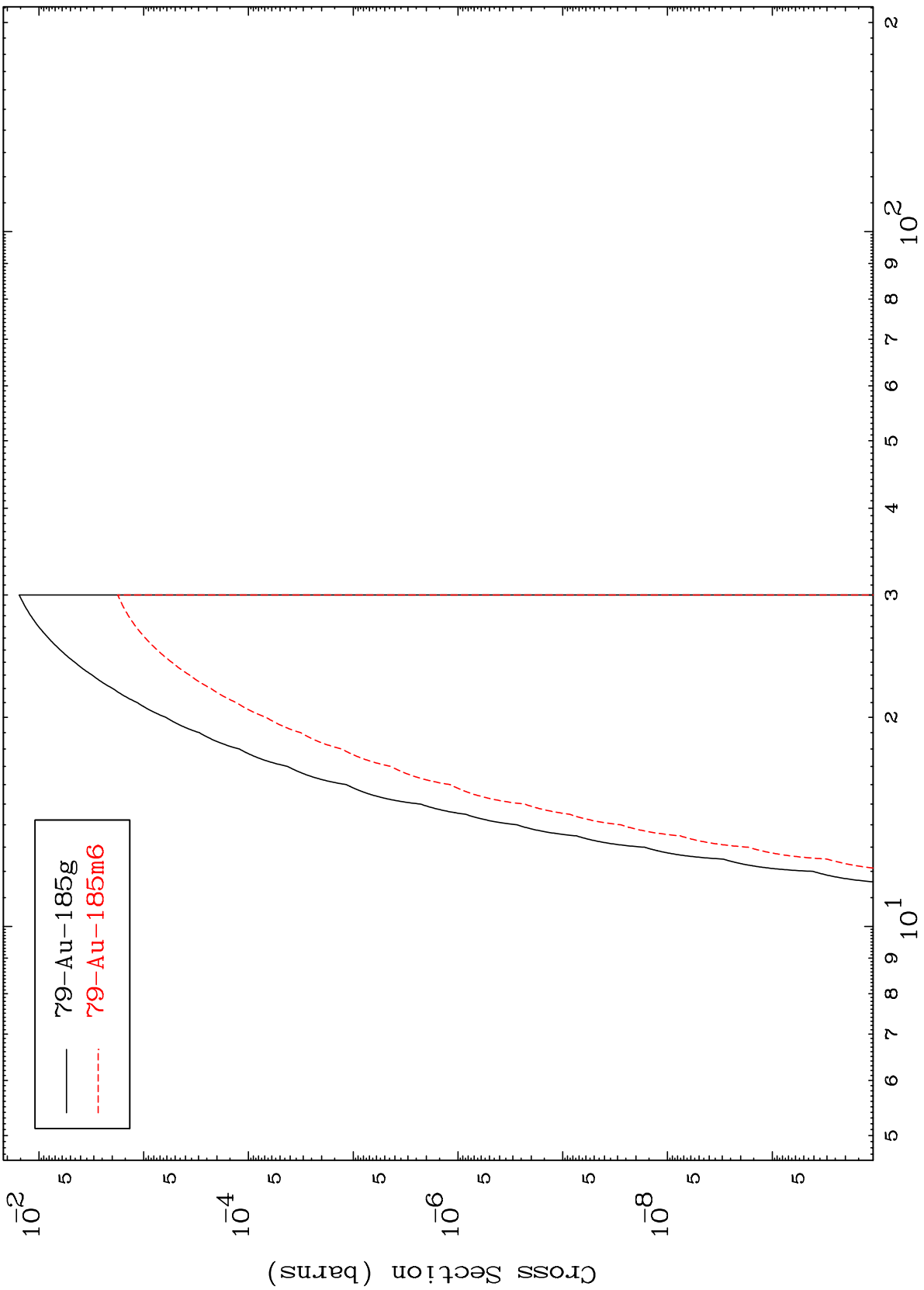


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(n,2n) p

81-Tl-187m

Radionuclide Production Cross Section



26

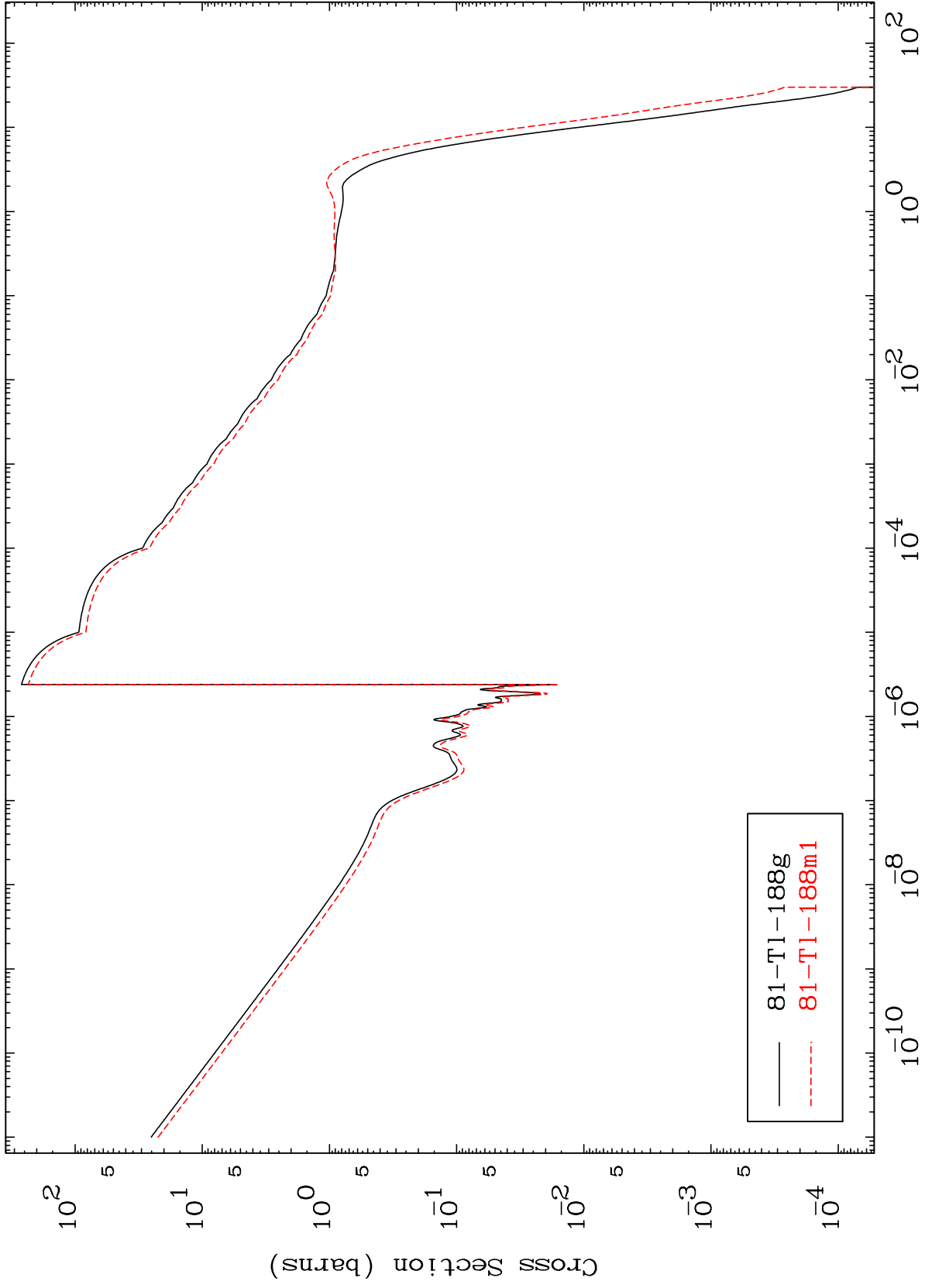
Incident Energy (MeV)

81-Tl-187m

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81-Tl-187m

Radionuclide Production Cross Section
(n, γ)



27

81-Tl-187m

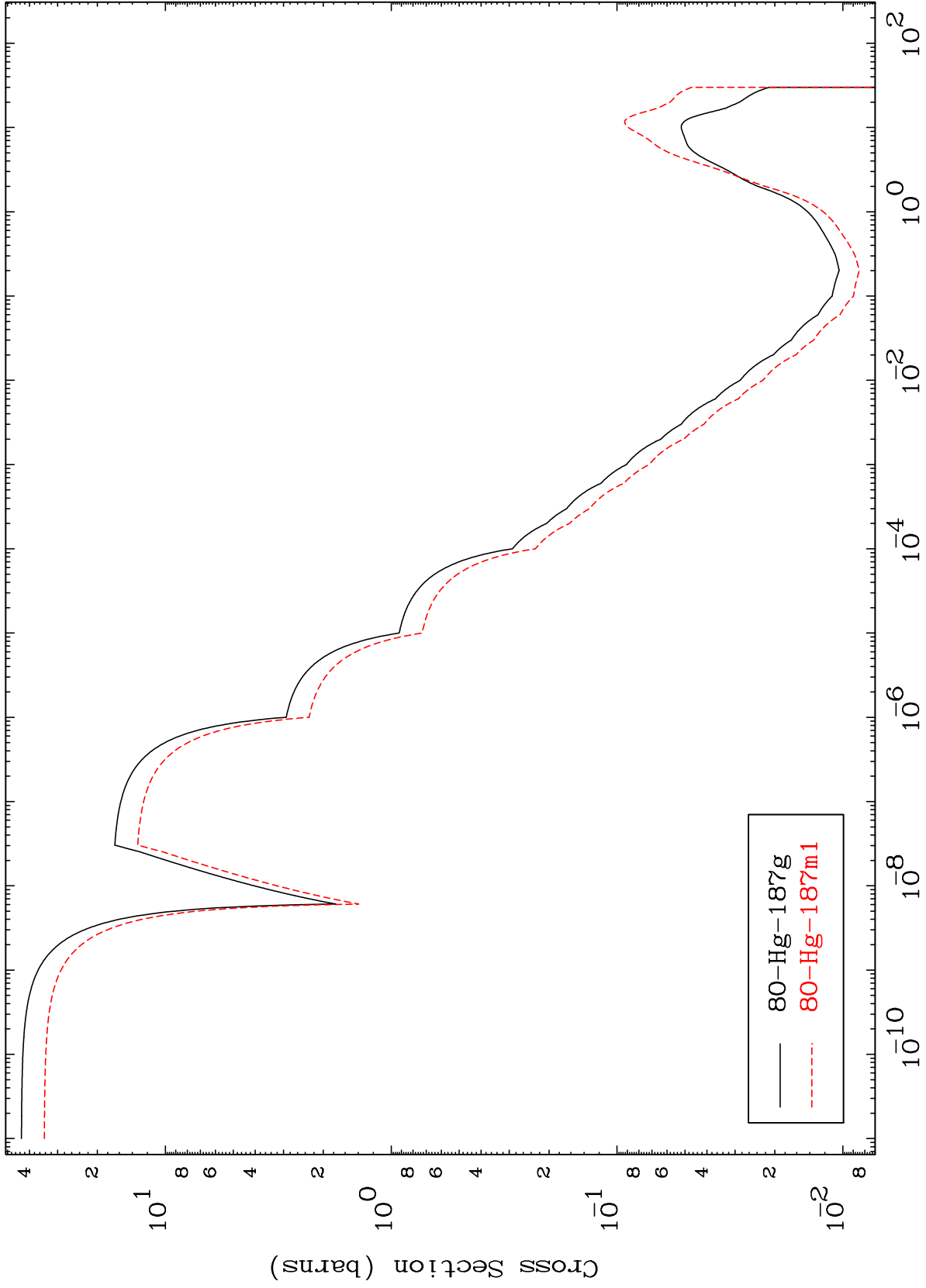
Incident Energy (MeV)

MAT 8078

81-Tl-187m

Radionuclide Production Cross Section

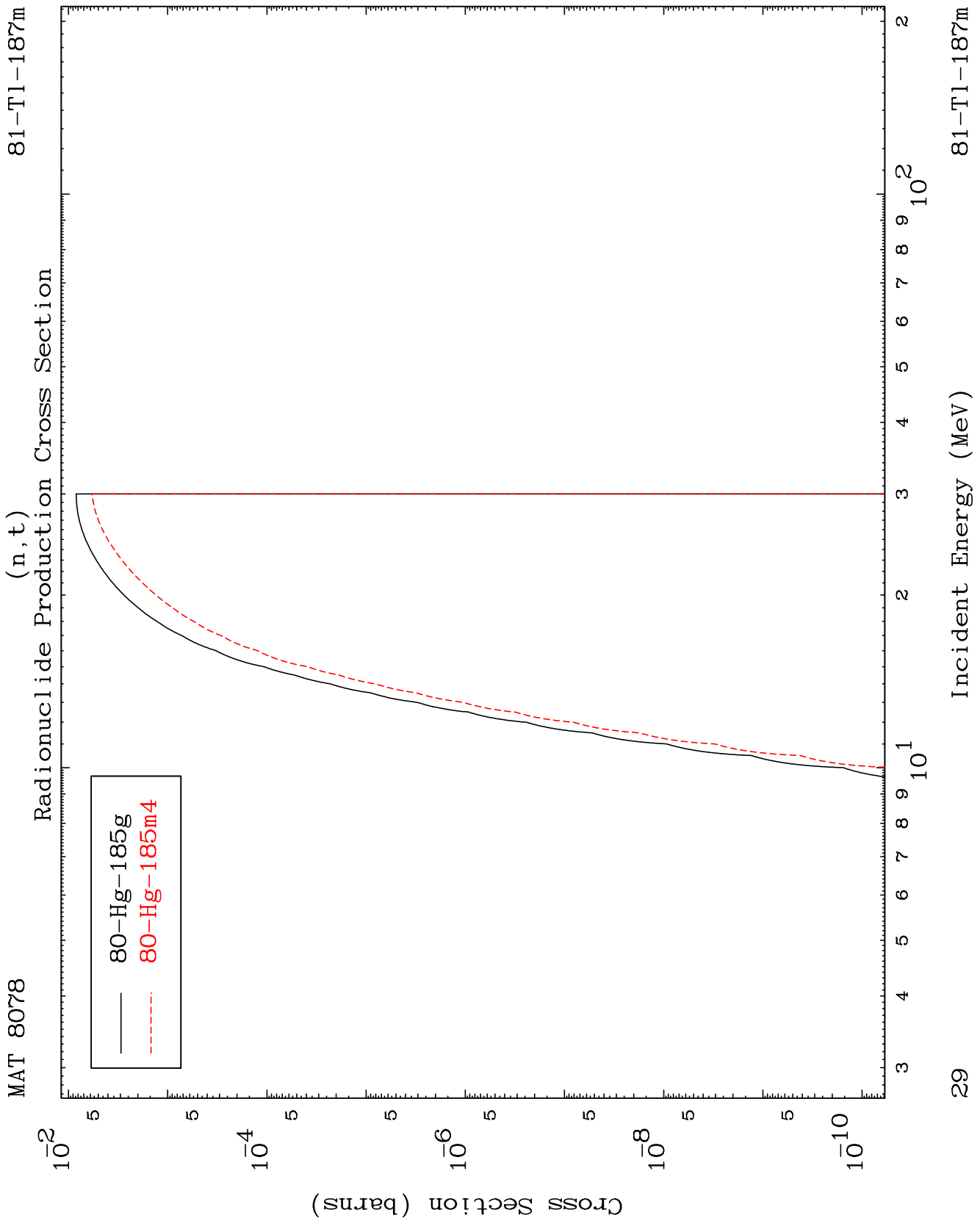
(n,p)



81-Tl-187m

Incident Energy (MeV)

28

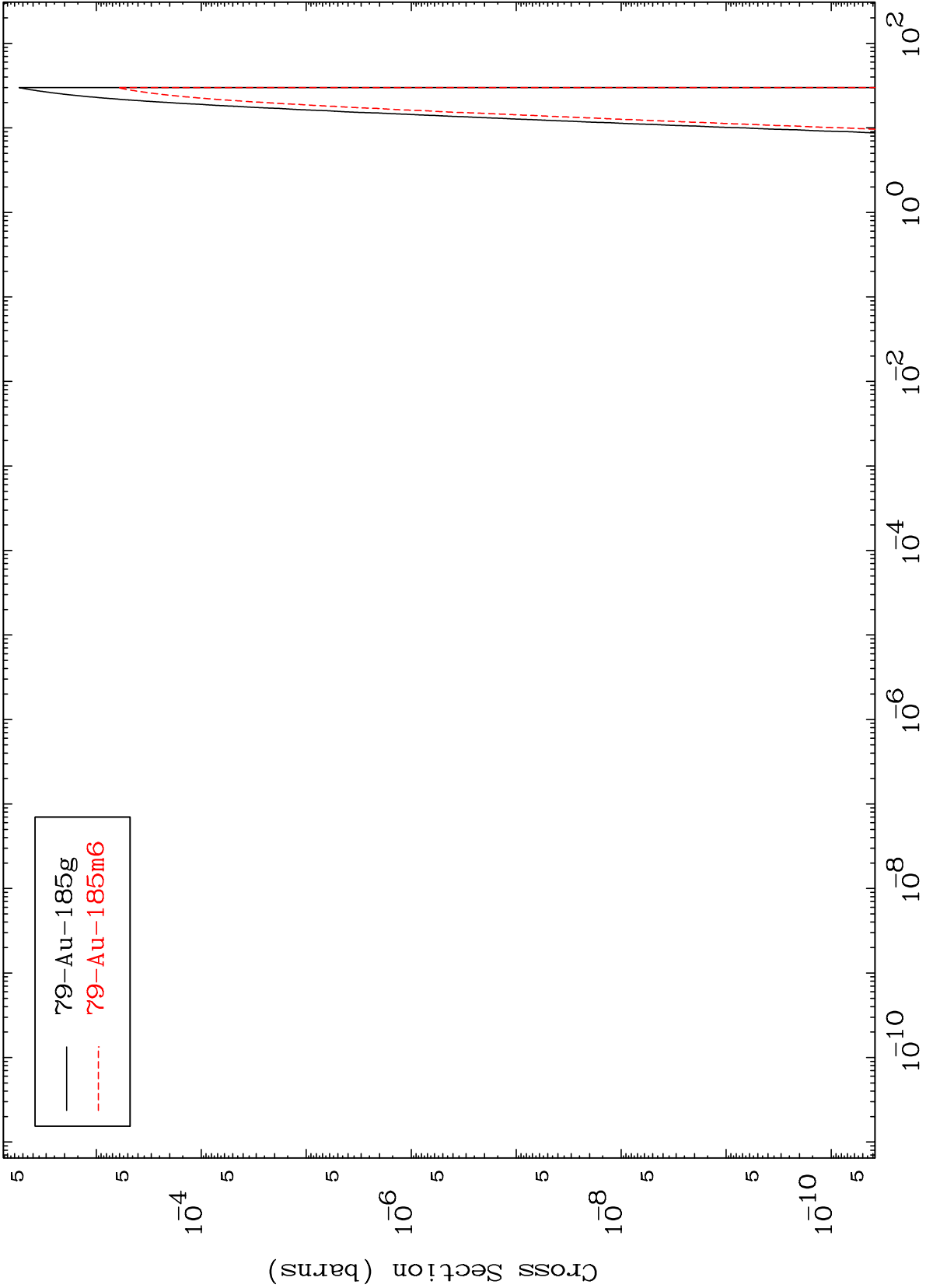


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(n,He-3)

81-Tl-187m

Radionuclide Production Cross Section



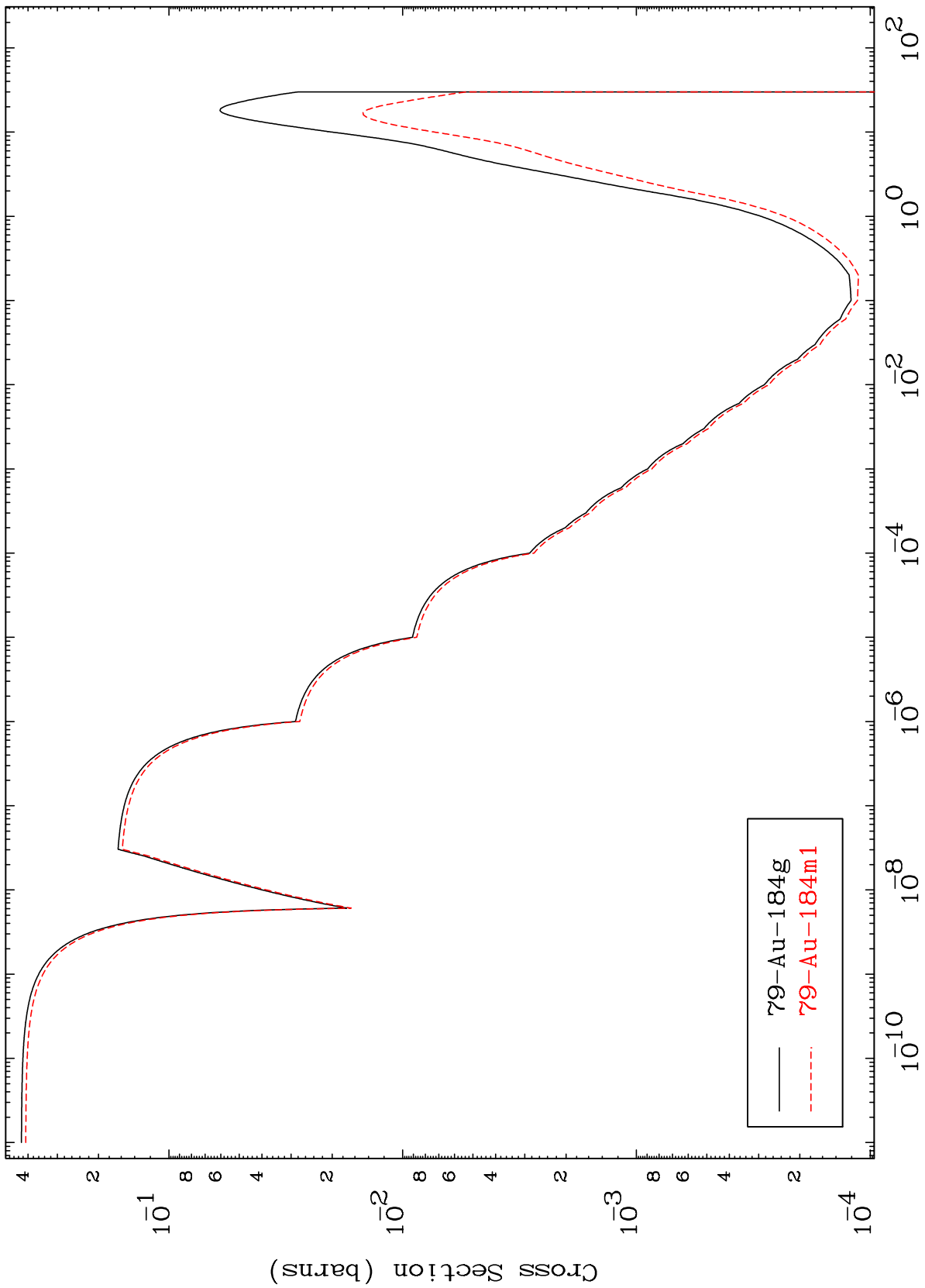
— $^{79}\text{Au-185g}$
- - - $^{79}\text{Au-185m6}$

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81-Tl-187m

Radionuclide Production Cross Section

(n, α)

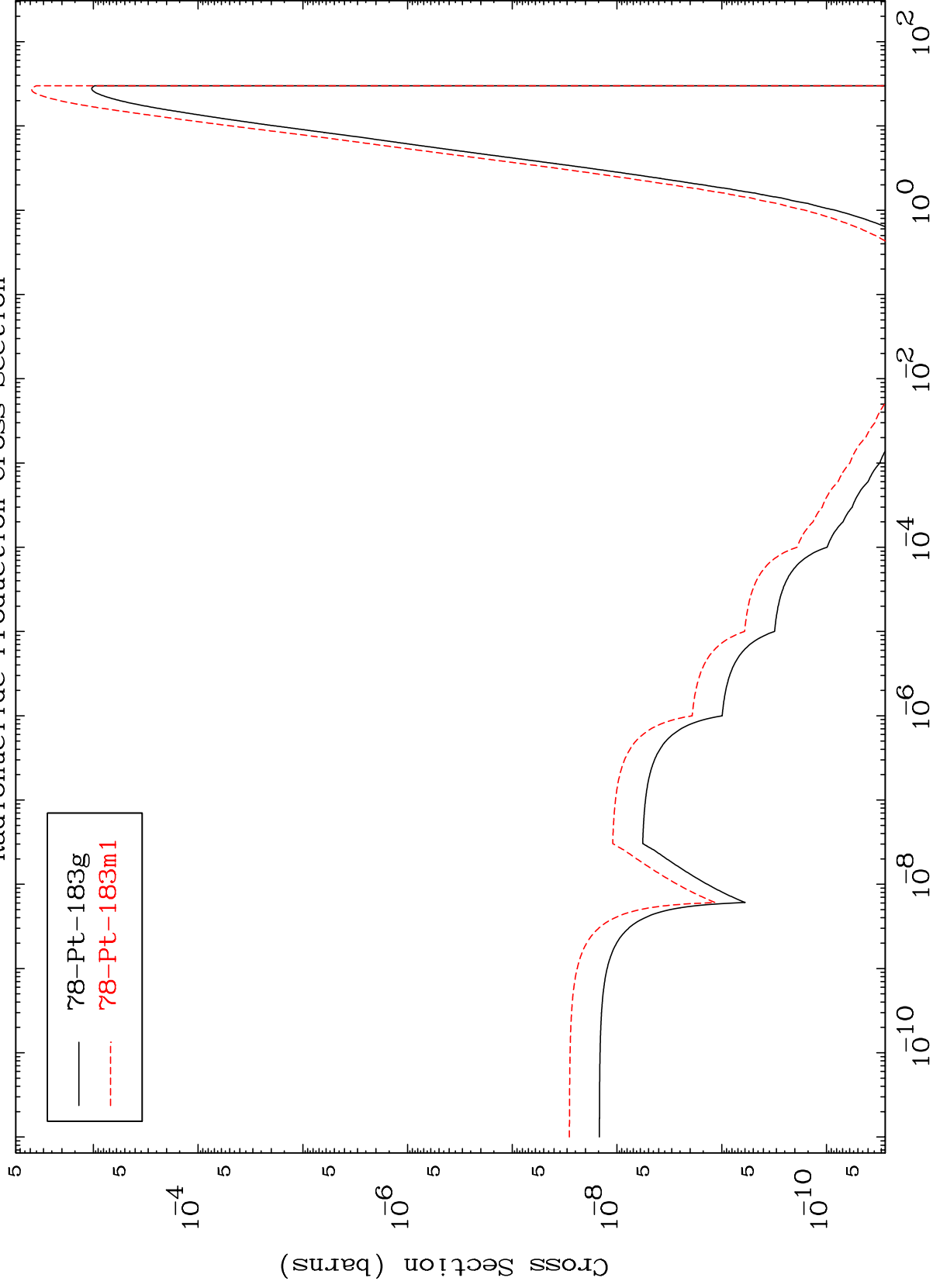


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(n,p) α

81-Tl-187m

Radionuclide Production Cross Section



32

Incident Energy (MeV)

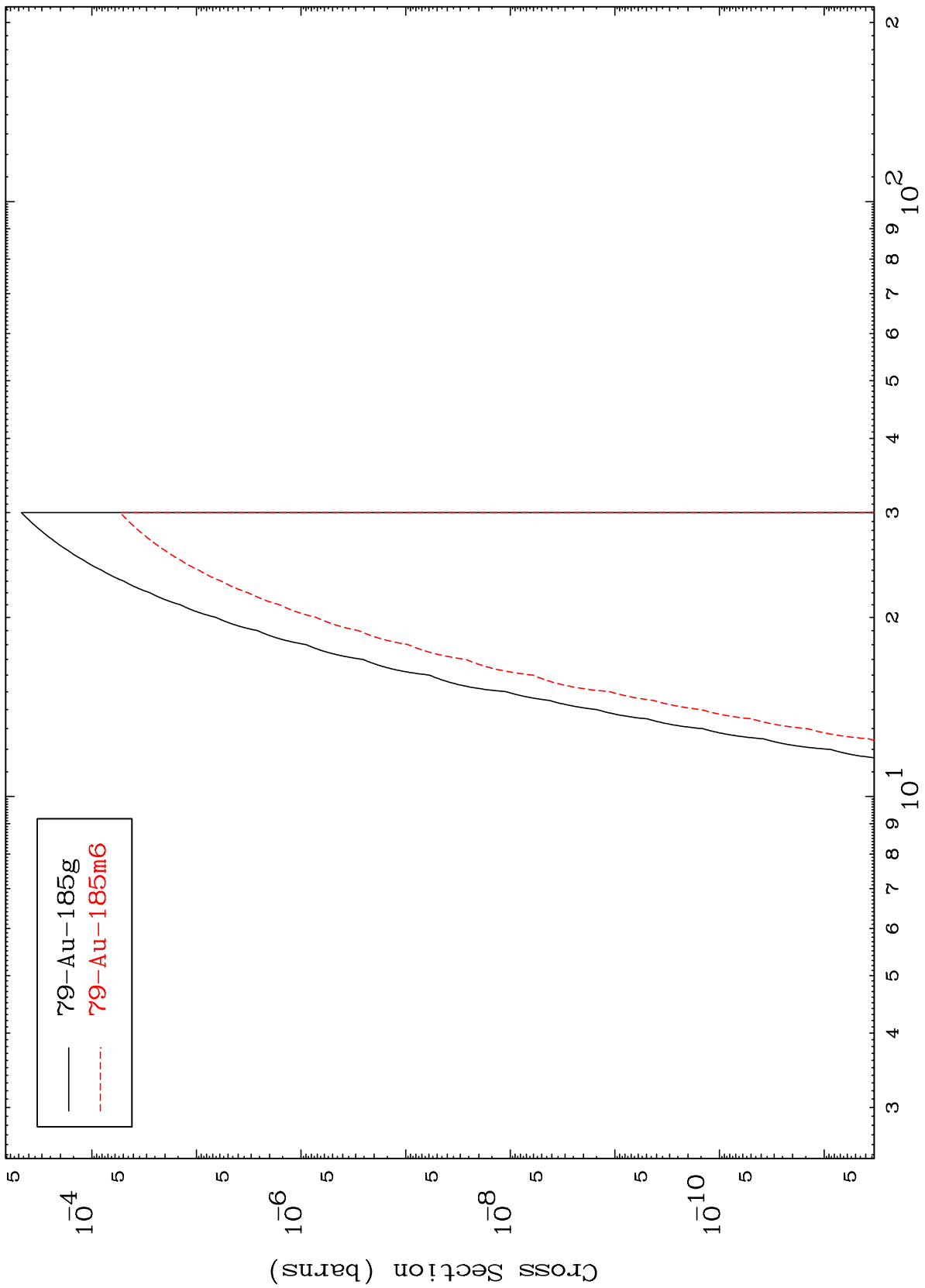
81-Tl-187m

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(n,p) d

81-Tl-187m

Radionuclide Production Cross Section



79-Au-185g
79-Au-185m6

Incident Energy (MeV)

81-Tl-187m

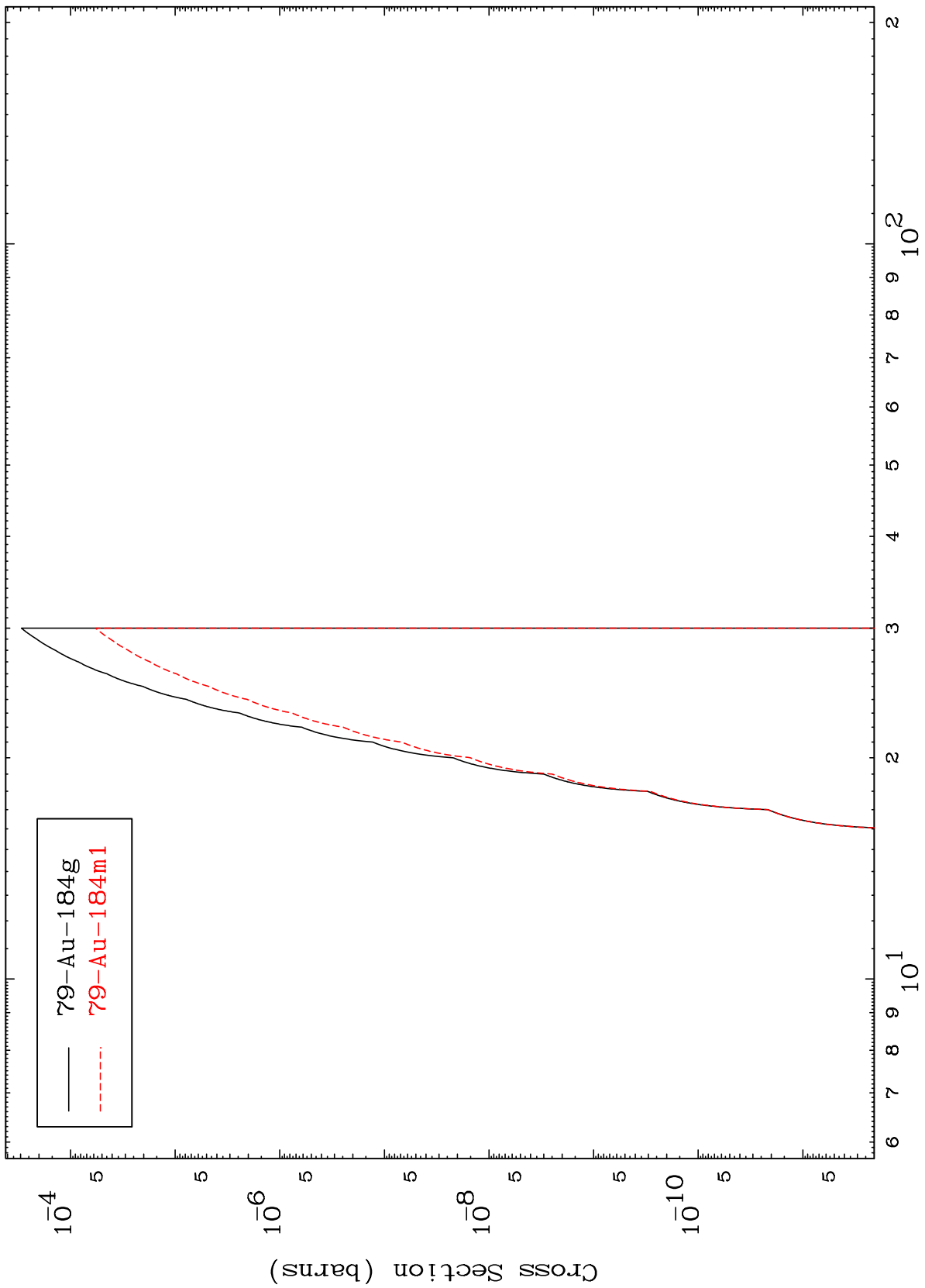
33

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(n,p) t

81-Tl-187m

Radionuclide Production Cross Section



34

Incident Energy (MeV)

81-Tl-187m